

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 20:36:07 ; Search time 50 Seconds
(without alignments)
791.280 Million cell updates/sec

Title: US-08-906-365-2
Perfect score: 2805
Sequence: 1 MDIKNSPSSLSNPSYNSQ.....ECSPAEDSKSKEGQNPOSQ 530
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues
Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/prodata/1/iaa/5A COMB.pcp.*
2: /cgn2_6/prodata/1/iaa/5B COMB.pcp.*
3: /cgn2_6/prodata/1/iaa/6A COMB.pcp.*
4: /cgn2_6/prodata/1/iaa/6B COMB.pcp.*
5: /cgn2_6/prodata/1/iaa/PCTUS COMB.pcp.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2805	100.0	530	4	US-09-608-088-25
2	2805	100.0	530	4	US-09-711-288-25
3	2805	100.0	530	4	US-09-768-185A-3
4	2805	100.0	548	3	US-09-139-617-1
5	2805	100.0	548	4	US-09-561-741A-1
6	2805	100.0	548	4	US-09-558-795-1
7	2805	100.0	551	4	US-09-949-016-7434
8	2554	91.1	485	2	US-08-836-620A-3
9	2522	89.9	477	4	US-09-608-088-5
10	2522	89.9	477	4	US-09-711-288-5
11	2291	81.7	485	2	US-08-836-620A-2
12	2286	81.5	484	2	US-08-836-620A-13
13	2267	80.8	485	2	US-08-836-620A-5
14	2262	80.6	484	2	US-08-836-620A-14
15	2198	78.4	416	4	US-09-608-088-6
16	2198	78.4	416	4	US-09-711-288-6
17	2198	78.4	418	4	US-09-608-088-21
18	2198	78.4	418	4	US-09-711-288-21
19	2017	71.9	384	2	US-08-836-620A-15
20	1233.5	44.0	595	3	US-08-764-870-12
21	1233.5	44.0	595	3	US-08-980-115-12
22	1224.5	43.7	595	3	US-09-041-886-35
23	1224.5	43.7	595	4	US-08-453-998-2
24	1224.5	43.7	595	4	US-09-949-016-5889
25	1224.5	43.7	595	4	US-10-052-092-9
26	1224.5	43.7	595	4	US-10-052-092-13
27	1224.5	43.7	595	4	US-10-052-092-14

28	1224.5	43.7	595	4	US-10-081-563-2	Sequence 2, Appli
29	1224.5	43.7	595	4	US-10-144-198-42	Sequence 42, Appl
30	1222.5	43.6	591	2	US-08-836-620A-17	Sequence 17, Appl
31	1219.5	43.5	595	4	US-10-052-092-31	Sequence 31, Appl
32	1219.5	43.5	595	4	US-10-052-092-30	Sequence 30, Appl
33	1214.5	43.3	596	2	US-08-836-620A-16	Sequence 16, Appl
34	1199	42.7	575	4	US-09-893-666A-2	Sequence 2, Appli
35	1181	42.1	233	4	US-09-608-088-4	Sequence 4, Appli
36	1181	42.1	233	4	US-09-711-288-4	Sequence 4, Appli
37	1174.5	41.9	701	4	US-10-052-092-12	Sequence 12, Appl
38	1160	41.4	410	6	5223606-5	Patent No. 5223606
39	1160	41.4	410	6	5223606-5	Patent No. 5223606
40	1126.5	40.2	229	3	US-09-249-645-1	Sequence 1, Appli
41	1111.5	39.6	229	4	US-09-844-1328-1	Sequence 2, Appli
42	1064	37.9	228	3	US-09-249-645-2	Sequence 1, Appli
43	1064	37.9	228	4	US-09-844-1328-2	Sequence 2, Appli
44	1055	37.6	226	2	US-08-836-620A-7	Sequence 7, Appli
45	810	28.9	773	3	US-08-564-264-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-608-088-25
; Sequence 25, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent version 3.0
; SEQ ID NO 25
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-608-088-25

Query Match	100.0%	Score	2805	DB	4	Length	530
Best Local Similarity	100.0%	Pred. No.	1.5e-291				
Matches	530	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
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DB	61	NVTNLEGGPGQTSPNVLTTPGHLSPVLRHQLSHLYAEPOKSPWCCEARSLHTLPVN	120				
QY	121	RETLKRKYSNGRCASPVTPGSKRDAHFCVCSDYASGYHYGVMSCEGCKAFKRSIQGH	180				
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DB	181	NDYICPATNQTIDKNRKSQACRLKCYEYGVMSKRSRRCRCYLRVRRORSADQLH	240				
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DB	241	CAGKAKRSGGHAPRVRELLDALSPEQLVLTLLAEPPHVLISRPSAPTEASMMSLTK	300				
QY	301	LADKELVHMSWAKKIPGFVLSLFDQVRLLSCWMEVLMGLMWSRIDHPGLIFAPDL	360				

Db 301 LADKELVHMSWAKKIPGFVELSLFDQVRLLESQWVEVLMGLMWSRIDHPGKLIIFAPDL 360
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Db 361 VLDRDEGKCEGILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNSSMYPLVTATODA 420
Qy 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASKGMEHLNNK 480
Db 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASKGMEHLNNK 480
Qy 481 CKNVVPVYDILLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 481 CKNVVPVYDILLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530

RESULT 2

US-09-711-288-25
; Sequence 25, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosseiman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-711-288-25

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDIKNSPSSLNSSPSSYNCSSQILPLEHSGIYIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
Db 1 MDIKNSPSSLNSSPSSYNCSSQILPLEHSGIYIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
Qy 61 NVTNLEGGPGROTTSPNVLMPTPGHLSPLVVRHQLSHLYAEPQKSPWCARSLEHTLPVN 120
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Db 181 NDVICPATNQCTIDKNRRKSCQACRLKCYEVGMVKCGRRRCGYLVRQRSADEQLH 240
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Db 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRRPSAPFTEASMMSLTK 300
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Db 301 LADKELVHMSWAKKIPGFVELSLFDQVRLLESQWVEVLMGLMWSRIDHPGKLIIFAPDL 360
Qy 361 VLDRDEGKCEGILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNSSMYPLVTATODA 420
Db 361 VLDRDEGKCEGILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNSSMYPLVTATODA 420

Qy 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASKGMEHLNNK 480
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Qy 481 CKNVVPVYDILLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 481 CKNVVPVYDILLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530

RESULT 3

US-09-768-185A-3
; Sequence 3, Application US/09768185A
; Patent No. 6818758
; GENERAL INFORMATION:
; APPLICANT: Casseel, Michael et al
; TITLE OF INVENTION: Estrogen receptor beta variants and
; FILE REFERENCE: CL000280
; CURRENT APPLICATION NUMBER: US/09/768,185A
; CURRENT FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 09768185
; PRIOR FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 530
; TYPE: PRT
; ORGANISM: Human
US-09-768-185A-3

Query Match 100.0%; Score 2805; DB 4; Length 530;
Best Local Similarity 100.0%; Pred. No. 1.5e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MDIKNSPSSLNSSPSSYNCSSQILPLEHSGIYIPSSYVDSHHEYPAMTFYSPAVNNYSIPS 60
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Db 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRRPSAPFTEASMMSLTK 300
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Db 301 LADKELVHMSWAKKIPGFVELSLFDQVRLLESQWVEVLMGLMWSRIDHPGKLIIFAPDL 360
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Db 361 VLDRDEGKCEGILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNSSMYPLVTATODA 420
Qy 421 DSSRKLHLNNAVTDALVWVIKSGISSQQSMRLANLLMLLSHVHRHASKGMEHLNNK 480
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Db 481 CKNVVPVYDILLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530

RESULT 4

US-09-139-617-1

; Sequence 1, Application US/09139617
; Patent No. 6222015
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/139,617
; CURRENT FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 60/058,271
; EARLIER FILING DATE: 1997-09-08
; EARLIER APPLICATION NUMBER: 60/060,520
; EARLIER FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 548
; TYPE: PRT
; ORGANISM: HUMAN
US-09-139-617-1

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Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 259 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPSPAPTEASMMSLTK 318
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Db 319 LADKELVHMSWAKKIPGFVELSLFDQVRLLESWMVLMGLMWSRIDHPGKLIAPDL 378
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Db 379 VLDRDEGKCVGILEIFDMLLATTSRRELKLOHKEYLCVKAMILLNSMYPVLTATODA 438
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Db 439 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRLANLLMLLSHVHRHASNKGMEHLNKK 498
QY 481 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 499 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 548

RESULT 5
US-09-561-741A-1
; Sequence 1, Application US/09561741A
; Patent No. 6458551
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/561,741A
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25

; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 548
; TYPE: PRT
; ORGANISM: HUMAN
US-09-561-741A-1

Query Match 100.0%; Score 2805; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDIKNSPSSLSNPSYNCQSILPLEHGSIIYIPSSYVDSHHEYPAMTFYSPAMNYSIPS 60
Db 19 MDIKNSPSSLSNPSYNCQSILPLEHGSIIYIPSSYVDSHHEYPAMTFYSPAMNYSIPS 78
QY 61 NVTNLEGGPGROTTSPNVLWPTPGHLSPLVVRHQLSHLYAEPOKSPWCSEARSLEHTLPVN 120
Db 79 NVTNLEGGPGROTTSPNVLWPTPGHLSPLVVRHQLSHLYAEPOKSPWCSEARSLEHTLPVN 138
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Db 139 RETLKRKVSNGRCASPVTPGSKRDAHFCVACSDYASGYHYGVWSCGCKAFFKRSIQGH 198
QY 181 NDYICPATNOCTIDKNRRKSCOACRLKCYEYGMVKCGRRCRCGYRLVRRORSADQLH 240
Db 199 NDYICPATNOCTIDKNRRKSCOACRLKCYEYGMVKCGRRCRCGYRLVRRORSADQLH 258
QY 241 CAGKAKRSGGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPSPAPTEASMMSLTK 300
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Db 319 LADKELVHMSWAKKIPGFVELSLFDQVRLLESWMVLMGLMWSRIDHPGKLIAPDL 378
QY 361 VLDRDEGKCVGILEIFDMLLATTSRRELKLOHKEYLCVKAMILLNSMYPVLTATODA 420
Db 379 VLDRDEGKCVGILEIFDMLLATTSRRELKLOHKEYLCVKAMILLNSMYPVLTATODA 438
QY 421 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRLANLLMLLSHVHRHASNKGMEHLNKK 480
Db 439 DSSRLAHLNNAVTDALVWVIKSGISSQQOSMRLANLLMLLSHVHRHASNKGMEHLNKK 498
QY 481 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 499 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 548

RESULT 6
US-09-558-795-1
; Sequence 1, Application US/09558795
; Patent No. 6562592
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/558,795
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 548

; TYPE: PRT
; ORGANISM: HUMAN
US-09-558-795-1

Query Match 100.0%; Score 2805; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.6e-291;
Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 19 MDIKNPSNLSPSSYNCQSILPLEHGSIIYIPSSYVDSHHEYPAWTFYSPAVMNYSPS 78
QY 61 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHROLSHLYAEPOKSPWCEARSLHTLPVN 120
DB 79 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHROLSHLYAEPOKSPWCEARSLHTLPVN 138
QY 121 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWSCGCKAFFKRSIQGH 180
DB 139 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWSCGCKAFFKRSIQGH 198
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QY 481 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 530
DB 499 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 548
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RESULT 7

US-09-949-016-7434

; Sequence 7434, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 7434

; LENGTH: 551

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-7434

Query Match 100.0%; Score 2805; DB 4; Length 551;

Best Local Similarity 100.0%; Pred. No. 1.6e-291;

Matches 530; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDIKNPSNLSPSSYNCQSILPLEHGSIIYIPSSYVDSHHEYPAWTFYSPAVMNYSPS 60
DB 22 MDIKNPSNLSPSSYNCQSILPLEHGSIIYIPSSYVDSHHEYPAWTFYSPAVMNYSPS 81
QY 61 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHROLSHLYAEPOKSPWCEARSLHTLPVN 120
DB 82 NVTNLEGGPGROTTSPNVLPWTPGHLSPVVRHROLSHLYAEPOKSPWCEARSLHTLPVN 141
QY 121 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWSCGCKAFFKRSIQGH 180
DB 142 RETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWSCGCKAFFKRSIQGH 201
QY 181 NDYICPATNCTIDKNRRKSCQACRLRKCYEYGVWVKCGRRRRCGYRLVRRORSADQLH 240
DB 202 NDYICPATNCTIDKNRRKSCQACRLRKCYEYGVWVKCGRRRRCGYRLVRRORSADQLH 261
QY 241 CAGKAKSGGHPRVRELLDALSPEQLVLTLLAEPPHVLISRPSAPFTASMMMSLTK 300
DB 262 CAGKAKSGGHPRVRELLDALSPEQLVLTLLAEPPHVLISRPSAPFTASMMMSLTK 321
QY 301 LADKELVHMSWAKKIPGFVELSLFDQVRLLESCWMEVLMGLMWRSIDHPGKLI FAPDL 360
DB 322 LADKELVHMSWAKKIPGFVELSLFDQVRLLESCWMEVLMGLMWRSIDHPGKLI FAPDL 381
QY 361 VLDRDEKCVGEILFIDMLIATTSRFRRELKQHKYLCVKAMILLNSMYPLVTATQDA 420
DB 382 VLDRDEKCVGEILFIDMLIATTSRFRRELKQHKYLCVKAMILLNSMYPLVTATQDA 441
QY 421 DSSRKLHLNNAVTDALVWVIKSGISSQQOSMRLANLLMLLSHVRHASNKGMEHLNKK 480
DB 442 DSSRKLHLNNAVTDALVWVIKSGISSQQOSMRLANLLMLLSHVRHASNKGMEHLNKK 501
QY 481 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 530
DB 502 CKNVVPVYDILLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSO 551
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RESULT 8

US-08-836-620A-3

; Sequence 3, Application US/08836620A

; Patent No. 5958710

; GENERAL INFORMATION:

; APPLICANT:

; TITLE OF INVENTION: Orphan receptor

; NUMBER OF SEQUENCES: 19

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/836,620A

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/EP96/03933

; FILING DATE:

; APPLICATION NUMBER: GB 9518272.1

; FILING DATE: 08-SEP-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9605550.4

; FILING DATE: 15-MAR-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9607532.0

; FILING DATE: 11-APR-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9609576.5

; FILING DATE: 08-MAY-1996

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 485 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

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; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-08-836-620A-3

Query Match      91.1%; Score 2554; DB 2; Length 485;
Best Local Similarity 99.8%; Pred. No. 1.1e-264;
Matches 484; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 46 MTFYSPAWMYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKS 105
DB 1 MTFYSPAWMYSIPSNVTNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKS 60
QY 106 PWCEARSLHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGWS 165
DB 61 PWCEARSLHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGWS 120
QY 166 CEGCKAFFKRSIQHNNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCSRRRCG 225
DB 121 CEGCKAFFKRSIQHNNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCSRRRCG 180
QY 226 YRLVRQRSADQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRP 285
DB 181 YRLVRQRSADQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRP 240
QY 286 SAPFTEASMMSTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESVMGLMW 345
DB 241 SAPFTEASMMSTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESVMGLMW 300
QY 346 RSIDHFGKLIAPDPLVDRDEGKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMIL 405
DB 301 RSIDHFGKLIAPDPLVDRDEGKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMIL 360
QY 406 INSSMYPLVATQDADSSRKLHLNAVTDALVWVIKSGISSQQQSMRLANLMLLSHV 465
DB 361 INSSMYPLVATQDADSSRKLHLNAVTDALVWVIKSGISSQQQSMRLANLMLLSHV 420
QY 466 RHASNGMEHLNMMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSO 525
DB 421 RHASNGMEHLNMMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSO 480
QY 526 NPQSQ 530
DB 481 NLQSQ 485

RESULT 9
US-09-608-088-5
; Sequence 5, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosseelman, Sietse
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-608-088-5

Query Match      89.9%; Score 2522; DB 4; Length 477;
Best Local Similarity 100.0%; Pred. No. 2.9e-261;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 MNYISPSNVNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 113
DB 1 MNYISPSNVNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 60
QY 114 EHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGWSCEGCKAFF 173
DB 61 EHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGWSCEGCKAFF 120
QY 174 KRSIQHNNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCSRRRCGCVRLVRROR 233
DB 121 KRSIQHNNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCSRRRCGCVRLVRROR 180
QY 234 SADEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPAPFTEAS 293
DB 181 SADEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPAPFTEAS 240
QY 294 MMSSTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESVMGLMRLSHVHASNKGM 353
DB 241 MMSSTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESVMGLMRLSHVHASNKGM 300
QY 354 LIFAPDLVDRDEGKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNNSMYPL 413
DB 301 LIFAPDLVDRDEGKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNNSMYPL 360
QY 414 VTATQDADSSRKLHLNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVHASNKGM 473
DB 361 VTATQDADSSRKLHLNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVHASNKGM 420
QY 474 EHLNMMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPQSQ 530
DB 421 EHLNMMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPQSQ 477

RESULT 10
US-09-711-288-5
; Sequence 5, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosseelman, Sietse
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-711-288-5

Query Match      89.9%; Score 2522; DB 4; Length 477;
Best Local Similarity 100.0%; Pred. No. 2.9e-261;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 MNYISPSNVNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 113
DB 1 MNYISPSNVNLEGGPGRTTSPNVLWPTPGHLSPLVVRQLSHLYAEPQKSPWCEARSL 60
QY 114 EHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGWSCEGCKAFF 173
DB 61 EHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSDDYASGVHYGWSCEGCKAFF 120
QY 174 KRSIQHNNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCSRRRCGCVRLVRROR 233
DB 121 KRSIQHNNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCSRRRCGCVRLVRROR 180
QY 234 SADEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPAPFTEAS 293
DB 181 SADEQLHCAGKAGSGHAPRVRELLDALSPEQLVLTLEAEPHVLISRPAPFTEAS 240
QY 294 MMSSTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESVMGLMRLSHVHASNKGM 353
DB 241 MMSSTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESVMGLMRLSHVHASNKGM 300
QY 354 LIFAPDLVDRDEGKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNNSMYPL 413
DB 301 LIFAPDLVDRDEGKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMILLNNSMYPL 360
QY 414 VTATQDADSSRKLHLNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVHASNKGM 473
DB 361 VTATQDADSSRKLHLNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVHASNKGM 420
QY 474 EHLNMMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPQSQ 530
DB 421 EHLNMMCKNVVVDLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPQSQ 477
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Db 121 KSIQGHNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCGSRRRCGRYLRVRQR 180
QY 234 SADEQLHCAGKAKRSKGCHAPRVRELLLDALSPQQLVLTLEAPPHVLIISRPSAPFTAS 293
Db 181 SADEQLHCAGKAKRSKGCHAPRVRELLLDALSPQQLVLTLEAPPHVLIISRPSAPFTAS 240
QY 294 MMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMWSIDHPGK 353
Db 241 MMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMWSIDHPGK 300
QY 354 LIAPDLVLDREDEKCVGELIFDMLLATTFRRELKLOHKEYLCVKAMILLNSMYPL 413
Db 301 LIAPDLVLDREDEKCVGELIFDMLLATTFRRELKLOHKEYLCVKAMILLNSMYPL 360
QY 414 VTATODADSSRLKLAHLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVVRHASNKGM 473
Db 361 VTATODADSSRLKLAHLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHVVRHASNKGM 420
QY 474 EHLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 530
Db 421 EHLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSONPOSQ 477

RESULT 11
US-08-836-620A-2
; Sequence 2, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; FILING DATE:
; PRIOR APPLICATION NUMBER: US/08/836,620A
; APPLICATION DATA:
; FILING DATE: PCT/EP96/03933
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
US-08-836-620A-2

Query Match 81.7%; Score 2291; DB 2; Length 485;
Best Local Similarity 88.7%; Pred. No. 1.8e-236;
Matches 430; Conservative 23; Mismatches 32; Indels 0; Gaps 0;
QY 46 MTFYSPAVNYSIPSNVTNLEGGCGRQTSPNVLPWPTGHLSPVLVVRQLSHLYAEPQKS 105
Db 1 MTFYSPAVNYSIPSNVTNLEGGCGRQTSPNVLPWPTGHLSPVLVVRQLSHLYAEPQKS 60
QY 106 PWCEARSLHTLPVNRETLKRKVGNCRCASPTVTPGSKRDAHFCAVCSDYASGVHYGWS 165
Db 61 PWCEARSLHTLPVNRETLKRKVGNCRCASPTVTPGSKRDAHFCAVCSDYASGVHYGWS 120

QY 166 CEGKAPFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCGSRRRCG 225
Db 121 CEGKAPFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLKCYEVMVKCGSRRRCG 180
QY 226 YRLVRRORSADQQLHCAGKAKRSKGCHAPRVRELLLDALSPQQLVLTLEAPPHVLIISRP 285
Db 181 YRLVRRORSADQQLHCAGKAKRSKGCHAPRVRELLLDALSPQQLVLTLEAPPHVLIISRP 240
QY 286 SAPTEASMMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMW 345
Db 241 SMPTEASMMMSLTKLADKELVHMSWAKKIPGFVELSLFDQVRLLESCHWMEVLMGLMW 300
QY 346 RSIDHPGKLIAPDLVLDREDEKCVGELIFDMLLATTFRRELKLOHKEYLCVKAMIL 405
Db 301 RSIDHPGKLIAPDLVLDREDEKCVGELIFDMLLATTFRRELKLOHKEYLCVKAMIL 360
QY 406 LNNSMYPLVATODADSSRLKLAHLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHV 465
Db 361 LNNSMYPLASQANQAESSRLKTHLLNNAVTDALVWVIKSGISSQQQSMRLANLMLLSHV 420
QY 466 RHASNKGMHLLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSO 525
Db 421 RHASNKGMHLLNMMCKNVVPVYDLLLLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGSO 480
QY 526 NPQSQ 530
Db 481 NLQSQ 485

RESULT 12
US-08-836-620A-13
; Sequence 13, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,620A
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 484 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
US-08-836-620A-13

Query Match 81.5%; Score 2286; DB 2; Length 484;
Best Local Similarity 88.6%; Pred. No. 6e-236;
Matches 429; Conservative 23; Mismatches 32; Indels 0; Gaps 0;

QY 46 MTFYSPAVMNYSTIPSNVTNLEGGPGRQTTSPNVLPWPTGHLSPVVRHQLSHLYAEPQKS 105
DB 1 MTFYSPAVMNYSTIPSNVTNLEGGPGRQTTSPNVLPWPTGHLSPVVRHQLSHLYAEPQKS 60
QY 106 PWCEARSLEHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWS 165
DB 61 PWCEARSLEHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWS 120
QY 166 CEGCKAFFKRSIOGHNDYICPATNOCTIDKRRKSCQACRLRKCVEYGVWVKGSRRCG 225
DB 121 CEGCKAFFKRSIOGHNDYICPATNOCTIDKRRKSCQACRLRKCVEYGVWVKGSRRCG 180
QY 226 YRLVRQRSADEQLHCAGKAKRGHAPRVRELLDALSPEQLVLTLEAEPHVLISRP 285
DB 181 YRIVRRQRSASEQVHCLNKAARTSGHTRVRELLDALSPEQLVLTLEAEPHVLISRP 240
QY 406 LNSSMYPLVTATQDADSRKLAHLNAVTDALVWVIKSGISSQQOQSMRLANLLMLSHV 465
DB 361 LNSSMYPLASANOEAESSRKLTHLLNAVTDALVWVIKSGISSQQOQSVRLANLLMLSHV 420
QY 466 RHASNGMEHLLNMCKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGQ 525
DB 421 RHISNKGMEHLLSMCKNVVPVYDLEMLNAHVLRGCKSSITGSECSSTEDSKSKEGQ 480
QY 526 NPQS 529
DB 481 NLQS 484

RESULT 13

US-08-836-620A-5
; Sequence 5, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,620A
; FILING DATE:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5
; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; ORIGINAL SOURCE:

; ORGANISM: Mus musculus
US-08-836-620A-5
Query Match 80.8%; Score 2267; DB 2; Length 485;
Best Local Similarity 88.0%; Pred. No. 6.6e-334;
Matches 427; Conservative 23; Mismatches 35; Indels 0; Gaps 0;
QY 46 MTFYSPAVMNYSTIPSNVTNLEGGPGRQTTSPNVLPWPTGHLSPVVRHQLSHLYAEPQKS 105
DB 1 MAFYSPAVMNYSTIPSNVTNLEGGPGRQTTSPNVLPWPTGHLSPVVRHQLSHLYAEPQKS 60
QY 106 PWCEARSLEHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWS 165
DB 61 PWCEARSLEHTLPVNRRETLKRKVSNGRCASPVTPGSKRDAHFCAVCSYASGYHYGVWS 120
QY 166 CEGCKAFFKRSIOGHNDYICPATNOCTIDKRRKSCQACRLRKCVEYGVWVKGSRRCG 225
DB 121 CEGCKAFFKRSIOGHNDYICPATNOCTIDKRRKSCQACRLRKCVEYGVWVKGSRRCG 180
QY 226 YRLVRQRSADEQLHCAGKAKRGHAPRVRELLDALSPEQLVLTLEAEPHVLISRP 285
DB 181 YRIVRRQRSASEQVHCLNKAARTSGHTRVRELLDALSPEQLVLTLEAEPHVLISRP 240
QY 286 SAPFTEASMMMSLTKLADKELVHMIWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMW 345
DB 241 SMPFTEASMMMSLTKLADKELVHMIWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMW 300
QY 346 RSIDHPGKLIIFAPDLVLDREDEKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMIL 405
DB 301 RSIDHPGKLIIFAPDLVLDREDEKCVGEILEIFDMLLATTSRFRELKLOHKEYLCVKAMIL 360
QY 406 LNSSMYPLVTATQDADSRKLAHLNAVTDALVWVIKSGISSQQOQSMRLANLLMLSHV 465
DB 361 LNSSMYHLATASQAEASSRKLTHLLNAVTDALVWVIKSGISSQQOQSVRLANLLMLSHV 420
QY 466 RHASNGMEHLLNMCKNVVPVYDLEMLNAHVLRGCKSSITGSECSPAEDSKSKEGQ 525
DB 421 RHISNKGMEHLLSMCKNVVPVYDLEMLNAHVLRGCKSSITGSECSSTEDSKSKEGQ 480
QY 526 NPQS 530
DB 481 NLQS 485

RESULT 14

US-08-836-620A-14
; Sequence 14, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,620A
; FILING DATE:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5

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; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 484 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   ORIGINAL SOURCE:
;     ORGANISM: Mus musculus
;   US-08-836-620A-14

Query Match      80.6%; Score 2262; DB 2; Length 484;
Best Local Similarity 88.0%; Pred. No. 2.3e-23;
Matches 426; Conservative 23; Mismatches 35; Indels 0; Gaps 0;

Qy 46 MTFYSPAVNYSIPSNVTNLEGGPGRTTSPNVLWPTGHLSPVVRQLSHLYAEPK 105
Db 1 MAFYSPAVNYSVPSTNLEGGPVROTASPNVLWPTGHLSPVVRQLSHLYAEPK 60

Qy 106 PWCEARSLHTLPVNRETLKRKVSNGRCASPTGPGSKRDAHFCVCSGYHYGWS 165
Db 61 PWCEARSLHTLPVNRETLKRKVSNGRCASPTGPGSKRDAHFCVCSGYHYGWS 120

Qy 166 CEGCKAFKRSIQGHNDYICPATNOCTIDKNRKKCOACRLKCYEVGMVKCGRRCG 225
Db 121 CEGCKAFKRSIQGHNDYICPATNOCTIDKNRKKCOACRLKCYEVGMVKCGRRCG 180

Qy 226 YRLVRRORSADQLHCAGKAKRSKGHPVRVRELLLDALSPQOLVLTLEAEPHVLISRP 285
Db 181 YRIVRRORSASQVHCLNKAKTSGHTPRVRELLLDALSPQOLVLTLEAEPHVLISRP 240

Qy 286 SAPFTEASMMSLTKLADKELVHMIWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMW 345
Db 241 SMPFTEASMMSLTKLADKELVHMIWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMW 300

Qy 346 RSIDHPGKLIAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMIL 405
Db 301 RSIDHPGKLIAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMIL 360

Qy 406 LNSSMYPLVTATQDADSRKLAHLNAVTDALVWVIKSGISSQQSMRLANLLMLSHV 465
Db 361 LNSSMYPLATASQEAESSRKLTHLNAVTDALVWVSKRISQQSVRLANLLMLSHV 420

Qy 466 RHASNGMEHLNLMKCNVVPVYDILLLEMLNAHVLRGCKSSITGSECSPAEDSKSKEG 525
Db 421 RHISNGMEHLNLMKCNVVPVYDILLLEMLNAHTLRGYKSSISGSGCCSTEDSKSKEG 480

Qy 526 NPQS 529
Db 481 NLQS 484
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RESULT 15
US-09-608-088-6
; Sequence 6, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
;   APPLICANT: Moeselman, Sietse
;   APPLICANT: Dijkema, Rein
;   TITLE OF INVENTION: No. 6680368el Estrogen Receptor
;   FILE REFERENCE: O/96193 US/D1
;   CURRENT APPLICATION NUMBER: US/09/608,088
;   CURRENT FILING DATE: 2000-06-30
;   PRIOR APPLICATION NUMBER: US 08/826,361
;   PRIOR FILING DATE: 1997-03-26
;   PRIOR APPLICATION NUMBER: EP 96203284.3
;   PRIOR FILING DATE: 1996-11-22
;   PRIOR APPLICATION NUMBER: EP 96200820.7
;   PRIOR FILING DATE: 1996-03-26
;   NUMBER OF SEQ ID NOS: 28
;   SOFTWARE: PatentIn version 3.0
;   SEQ ID NO 6
;   LENGTH: 416
;   TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-608-088-6

Query Match      78.4%; Score 2198; DB 4; Length 416;
Best Local Similarity 100.0%; Pred. No. 1.3e-226;
Matches 415; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 MNYISPSNVNLEGGPGRTTSPNVLWPTGHLSPVVRQLSHLYAEPKSPWCEARSL 113
Db 1 MNYISPSNVNLEGGPGRTTSPNVLWPTGHLSPVVRQLSHLYAEPKSPWCEARSL 60

Qy 114 EHTLPVNRETLKRKVSNGRCASPTGPGSKRDAHFCVCSGYHYGWSCEGCKAFF 173
Db 61 EHTLPVNRETLKRKVSNGRCASPTGPGSKRDAHFCVCSGYHYGWSCEGCKAFF 120

Qy 174 KRSTQGHNDYICPATNOCTIDKNRKKCOACRLKCYEVGMVKCGRRCGRLVRRQR 233
Db 121 KRSTQGHNDYICPATNOCTIDKNRKKCOACRLKCYEVGMVKCGRRCGRLVRRQR 180

Qy 234 SADEQLHCAGKAKRSKGHPVRVRELLLDALSPQOLVLTLEAEPHVLISRPSPAFFTEAS 293
Db 181 SADEQLHCAGKAKRSKGHPVRVRELLLDALSPQOLVLTLEAEPHVLISRPSPAFFTEAS 240

Qy 294 MMMSLTKLADKELVHMIWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMWSIDHPGK 353
Db 241 MMMSLTKLADKELVHMIWAKKIPGFVELSLFDQVRLLESQWMEVLMGLMWSIDHPGK 300

Qy 354 LIFAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMILLNSSMYPL 413
Db 301 LIFAPDLVLRDEGKCVGEILEIFDMLLATTSRPRELKQHKYLCVKAMILLNSSMYPL 360

Qy 414 VTATQDADSRKLAHLNAVTDALVWVIKSGISSQQSMRLANLLMLSHVRA 468
Db 361 VTATQDADSRKLAHLNAVTDALVWVIKSGISSQQSMRLANLLMLSHVRA 415

Search completed: March 8, 2005, 20:46:07
Job time : 52 secs
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OM nucleic - nucleic search, using sw model

Run on: March 9, 2005, 20:56:10 ; Search time 354 Seconds
(without alignments)
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Perfect score: 1686
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues
Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

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6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1684.4	99.9	1745	US-09-949-016-1563	Sequence 1563, Appl
2	1683.4	99.8	2011	US-09-768-185A-2	Sequence 2, Appl
3	1667.4	98.9	1898	US-09-608-088-24	Sequence 24, Appl
4	1667.4	98.9	1898	US-09-711-288-24	Sequence 24, Appl
5	1634	96.9	1647	US-09-139-617-2	Sequence 2, Appl
6	1634	96.9	1647	US-09-561-741A-2	Sequence 2, Appl
7	1634	96.9	1647	US-09-558-795-2	Sequence 2, Appl
8	1453.6	86.2	1460	US-08-836-620A-4	Sequence 4, Appl
9	1434	85.1	1434	US-09-608-088-1	Sequence 1, Appl
10	1434	85.1	1434	US-09-711-288-1	Sequence 1, Appl
11	1247	74.0	1251	US-09-608-088-2	Sequence 2, Appl
12	1247	74.0	1251	US-09-711-288-2	Sequence 2, Appl
13	1247	74.0	1257	US-09-608-088-20	Sequence 20, Appl
14	1247	74.0	1257	US-09-711-288-20	Sequence 20, Appl
15	1233.6	73.2	2568	US-08-836-620A-1	Sequence 1, Appl
16	1099.6	65.2	1458	US-08-836-620A-6	Sequence 6, Appl
17	453.4	26.9	68452	US-09-949-016-13305	Sequence 13305, A
18	453.4	26.9	325791	US-09-768-185A-1	Sequence 1, Appl
19	395.8	23.5	2764	US-09-893-666A-1	Sequence 1, Appl
20	390.8	23.2	4963	US-08-076-726-16	Sequence 16, Appl
21	390.8	23.2	4963	US-08-260-452-9	Sequence 9, Appl
22	390.8	23.2	4963	US-08-481-970-9	Sequence 9, Appl
23	390.8	23.2	4963	US-08-897-719-9	Sequence 9, Appl
24	390.8	23.2	4963	US-09-163-269-9	Sequence 9, Appl
25	390.8	23.2	4963	US-09-281-674-9	Sequence 9, Appl
26	389.2	23.1	2092	US-10-052-092-6	Sequence 6, Appl
27	389.2	23.1	6450	US-09-041-886-34	Sequence 34, Appl

ALIGNMENTS

RESULT 1

US-09-949-016-1563
; Sequence 1563, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1563
; LENGTH: 1745
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1563

Query Match	99.9%	Score 1684.4;	DB 4;	Length 1745;
Best Local Similarity	99.9%	Pred. No. 0;		
Matches 1685;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
Qy	1	CAGCCATTATCTTGGCCAGCAATCTTTGAGACATTAATGACCTTTGTGCTCTTCT	60	Sequence 1, Appl
Db	60	CAGCCATTATCTTGGCCAGCAATCTTTGAGACATTAATGACCTTTGTGCTCTTCT	119	Sequence 1, Appl
Qy	61	TGCAAGTGTTTCTCAGCTGCTATCTCAAGACATGATATAAACTCACCATTGAC	120	Sequence 5, Appl
Db	120	TGCAAGTGTTTCTCAGCTGCTATCTCAAGACATGATATAAACTCACCATTGAC	179	Sequence 20, Appl
Qy	121	CTTAATTTCTCTCTCTCTCTCTCAATGCAATGCAATGCAATGCAATGCAATGCAAT	180	Sequence 23, Appl
Db	180	CTTAATTTCTCTCTCTCTCTCTCAATGCAATGCAATGCAATGCAATGCAATGCAAT	239	Sequence 2, Appl
Qy	181	ATATACATCTCTCTCTCTCTCTAGACAGCCACCATGCAATGCAATGCAATGCAAT	240	Sequence 2, Appl
Db	240	ATATACATCTCTCTCTCTCTAGACAGCCACCATGCAATGCAATGCAATGCAAT	299	Sequence 2, Appl
Qy	241	AGCCCTGCTGTGATGAATGATGATGATGATGATGATGATGATGATGATGATGATGAT	300	Sequence 2, Appl
Db	300	AGCCCTGCTGTGATGAATGATGATGATGATGATGATGATGATGATGATGATGATGAT	359	Sequence 2, Appl
Qy	301	GGTGGGAGACCAAGCCCAAAATGTTGTGGCCAAACCTGGGCACTTTTCTCTTTA	360	Sequence 2, Appl

Db 360 GTGCGGAGACCAAGCCAAATGTTGTGGCCAAACACCTGGGCAACCTTTCTCCTTTA 419
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 Qy 421 GCAAGATCGCTGAAACACACCTTTACCTGTAAACAGAGAGACACTGAAAAGGAGGTAGT 480
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 Qy 481 GGGAAACGTTGCGCCAGCCCTGTTACTGTGTTCCAGGTTCAAGAGGAGTCTCACTTCTGC 540
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 Qy 721 TAGCAAGTGGGATGTAAGTGTGGCTCCCGAGAGAGAGATGTTGGTACCGCTTGTG 780
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 Db 1500 CAGCAATCCATGCGCTGCTAAACCTCTGTATGCTCTGTGCCAAGTCAAGCATGCGAGT 1559
 Qy 1501 AACAGGCGATGGAAACATCTGCTCAACATGAAGTCAAAATGTGGTCCAGTGTATGAC 1560
 Db 1560 AACAGGCGATGGAAACATCTGCTCAACATGAAGTCAAAATGTGGTCCAGTGTATGAC 1619
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 Db 1620 CTGCTGCTGGAGATGCTGAATGCCACAGTCTTCCGGGGTCAAGTCTCTCCATCAGGGG 1679
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 Db 1680 TCCGAGTGCAGCCCGGAGAGACAGTAAAGCAAGAGGGCTCCAGAAACCCACAGTCT 1739
 Qy 1681 CAGTGA 1686
 Db 1740 CAGTGA 1745

RESULT 2
 US-09-768-185A-2
 ; Sequence 2, Application US/09768185A
 ; Patent No. 6818758
 ; GENERAL INFORMATION:
 ; APPLICANT: Cassel, Michael et al
 ; TITLE OF INVENTION: Estrogen receptor beta variants and
 ; FILE OF INVENTION: methods of detection thereof
 ; FILE REFERENCE: CLO00280
 ; CURRENT APPLICATION NUMBER: US/09/768,185A
 ; CURRENT FILING DATE: 2001-01-24
 ; PRIOR APPLICATION NUMBER: 09768185
 ; PRIOR FILING DATE: 2001-01-24
 ; NUMBER OF SEQ ID NOS: 3
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 2011
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-09-768-185A-2

Query Match 99.8%; Score 1683.4; DB 4; Length 2011;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1684; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 AGCCATTATACCTGCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTCTT 61
 Db 327 AGCCATTATACCTGCCACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTCTT 386

Qy 62 GCAAGGTGTTTCTCAGCTGCTATCTCAAGACATGGATATAAAACCTCACCATCTAGCC 121
 Db 387 GCAAGGTGTTTCTCAGCTGTTATCTCAAGACATGGATATAAAACCTCACCATCTAGCC 446

Qy 122 TTAATTCCTCTCTCTCAAACTGCAGTCAATCCATCTTACCCCTGGAGCAGCGTCCA 181
 Db 447 TTAATTCCTCTCTCTCAAACTGCAGTCAATCCATCTTACCCCTGGAGCAGCGTCCA 506

Qy 182 TATACATACCTCTCTCTATGTAGACGCCACCATGAATATCCAGCCATGACATCTATA 241
 Db 507 TATACATACCTCTCTCTATGTAGACGCCACCATGAATATCCAGCCATGACATCTATA 566

Qy 242 GCCCTGCTGTATGATTAATTTACAGCATTTCCAGCAATGTCACTAACTTGGAGGTGGCGCTG 301
 Db 567 GCCCTGCTGTGTATGATTAATTTACAGCATTTCCAGCAATGTCACTAACTTGGAGGTGGCGCTG 626

Qy 302 GTGCGCAGACCAAGCCCAAAATGTTGTGGCCAAACCTTGGGCACTCTTTCTCTTTAG 361
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Qy 362 TGTGTCATCGCCAGTTATCAGATCTGTATGCGGAACTCAAAAGAGTCCCTGGTGTGAAG 421

Db 687 TGGTCCATCGCCAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGAAG 746
Qy 422 CAAGATCGCTAGAACACACACCTTACTGTATAACAGAGAGACACTGAAAGAGAGTGTAGTG 481
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Qy 482 GGAACCGTGTGGCCAGCCCTGTTACTGTGTCCAGGTTCAAAGAGAGATGCTCACTTCTGCG 541
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Db 1347 TCAGCTGGGCAAGAGATTCCCGGCTTTCTGAGCTCAGCTGTTCGACCAAGTGGCG 1406
Qy 1082 TCTTGAGAGCTGTGATGAGAGTGTAAATGATGGGCTGATGTGGCGCTCAATTGACC 1141
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Qy 1562 TGCTGTGGAGATGCTGAATGCCACGCTTCCGCGGTGCAAGTCTCCATCACGGGT 1621
Db 1887 TGCTGTGGAGATGCTGAATGCCACGCTTCCGCGGTGCAAGTCTCCATCACGGGT 1946
Qy 1622 CCGAGTGCACCGCGGAGAGGACAGTAAAGCAAGAGGCTCCAGAACCCACAGTCTC 1681
Db 1947 CCGAGTGCACCGCGGAGAGGACAGTAAAGCAAGAGGCTCCAGAACCCACAGTCTC 2006
Qy 1682 AGTGA 1686
Db 2007 AGTGA 2011

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RESULT 3
US-09-608-088-24
; Sequence 24, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1898
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-24

Query Match 98.9%; Score 1667.4; DB 4; Length 1898;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1668; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 18 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTTCTTGAAGGTGTTTCTCA 77
Db 1 CACGAATCTTTGAGAACATTATAATGACCTTTGTGCTCTTCTTGAAGGTGTTTCTCA 60
Qy 78 GCTGTATCTCAAGCATGGATATAAATACTACATCTAGCCTTAATTCCTTCCTC 137
Db 61 GCTGTATCTCAAGCATGGATATAAATACTACATCTAGCCTTAATTCCTTCCTC 120
Qy 138 CTACAACTGCACTCAATCCATCTTACCTCGAGCAGGCTCCATATACATACCTTCCTC 197
Db 121 CTACAACTGCACTCAATCCATCTTACCTCGAGCAGGCTCCATATACATACCTTCCTC 180
Qy 198 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTATAGCCCTGCTGTGATGA 257
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Qy 258 TTACAGCATTCCTCAGCAATGTCATTAATTCGGAAGGTGGGCTGTCGCGAGACCAAG 317
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Db 601 AAGCATTCAAGGACATAATGATTATATTTCTCAGCTTACAAATCAGTGTACAATCGATAA 660
Qy 678 AAACCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTACGAAGTGGGAATGTT 737
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Qy 738 GAAGTGTGGTCCCGGAGAGAGATGTGGGTACCGCTTGTCCGGAGACAGAAAGTGC 797
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Qy 798 CGACGAGCAGCTGCATGTGCGGCAAGGCCAAGAGAGTGGCGGCCACGCCGCCGAGT 857
Db 781 CGACGAGCAGCTGCATGTGCGGCAAGGCCAAGAGAGTGGCGGCCACGCCGCCGAGT 840
Qy 858 GCGGGAGCTGCTGCTGGACGCCCTGAGCCCGGAGCAGCTAGTCTCACCTCTCTGGAGGC 917
Db 841 GCGGGAGCTGCTGCTGGACGCCCTGAGCCCGGAGCAGCTAGTCTCACCTCTCTGGAGGC 900
Qy 918 TGAGCGGCCCATGTGCTGATCAGCGCCCGCAGTGGCGCCCTTCCAGGAGCCTCCATGAT 977
Db 901 TGAGCGGCCCATGTGCTGATCAGCGCCCGCAGTGGCGCCCTTCCAGGAGCCTCCATGAT 960
Qy 978 GATGTCCTCACCAGTGTGGCCGACAGGAGTGTGTACATCATCATGATGAGTGGGCCAAGAA 1037
Db 961 GATGTCCTCACCAGTGTGGCCGACAGGAGTGTGTACATCATCATGATGAGTGGGCCAAGAA 1020
Qy 1038 GATTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTTCGGCTCTTGGAGAGCTGTTG 1097
Db 1021 GATTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTTCGGCTCTTGGAGAGCTGTTG 1080
Qy 1098 GATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCAACCCCGGCAAGCTCAT 1157
Db 1081 GATGGAGGTGTTAATGATGGGGCTGATGTGGCGCTCAATTGACCAACCCCGGCAAGCTCAT 1140
Qy 1158 CTTTGTCTCCAGATCTTGTCTGACAGGGATGAGGGGAATGCGTAGAAGGAATTCGTGA 1217
Db 1141 CTTTGTCTCCAGATCTTGTCTGACAGGGATGAGGGGAATGCGTAGAAGGAATTCGTGA 1200
Qy 1218 AATCTTTGACATGCTCTCGCAACTACTTCAAGGTTTCGAGAGTAAATCTCCAAACAA 1277
Db 1201 AATCTTTGACATGCTCTCGCAACTACTTCAAGGTTTCGAGAGTAAATCTCCAAACAA 1260
Qy 1278 AGAATATCTCTGTCAAGGCCATGATCTCTGCTCAATTCCAGTATCTACCTCTGGTCA 1337
Db 1261 AGAATATCTCTGTCAAGGCCATGATCTCTGCTCAATTCCAGTATCTACCTCTGGTCA 1320
Qy 1338 AGCGACCCAGGATGCTGACAGAGCGGAGCTGGCTCACTTGTGAAAGGAGTGGCA 1397
Db 1321 AGCGACCCAGGATGCTGACAGAGCGGAGCTGGCTCACTTGTGAAAGGAGTGGCA 1380
Qy 1398 TGCCTTTGGTTTGGTGTGATTCGCAAGAGCGGATCTCTCCAGCAGCAATCCATGGCCCT 1457
Db 1381 TGCCTTTGGTTTGGTGTGATTCGCAAGAGCGGATCTCTCCAGCAGCAATCCATGGCCCT 1440
Qy 1458 GGCTAAACCTCTCTGATGCTCTCTGCTCCCAAGTTCAGGATGCGAGTAAACAGGGCATGGAA 1517

Db 1441 GGCTAAACCTCTGATGCTCTCTGCTCCACGTCAGGCGATCGAGTAACAAGGGCATGGAA 1500
Qy 1518 TCTGTCTCAACATGAAGTGCAGAAATGTGTCTCCAGTGTATGACCTGCTCTGGAGATGCT 1577
Db 1501 TCTGTCTCAACATGAAGTGCAGAAATGTGTCTCCAGTGTATGACCTGCTCTGGAGATGCT 1560
Qy 1578 GAATGCCCAAGTGTCTTCCGGGTGCAAGTCTTCCATCAGCGGGTCCGAGTGCAGCCCGC 1637
Db 1561 GAATGCCCAAGTGTCTTCCGGGTGCAAGTCTTCCATCAGCGGGTCCGAGTGCAGCCCGC 1620
Qy 1638 AGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1686
Db 1621 AGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1669

RESULT 4
US-09-711-288-24
; Sequence 24, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 24
; LENGTH: 1898
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-24

Query Match 98.9%; Score 1667.4; DB 4; Length 1898;
Best Local Similarity 99.9%; Pred No. 0;
Matches 1668; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 18 CACGAATCTTTGAGAACATTAATGACCTTTGTGCGCTCTTCTTGCAGAGTGTCTTCTCA 77
Db 1 CACGAATCTTTGAGAACATTAATGACCTTTGTGCGCTCTTCTTGCAGAGTGTCTTCTCA 60
Qy 78 GCTGTCTCTCAAGCATGGATATAAAAACTCACCATCTAGCCTTAATTTCTCTTCTC 137
Db 61 GCTGTCTCTCAAGCATGGATATAAAAACTCACCATCTAGCCTTAATTTCTCTTCTC 120
Qy 138 CTACAACTGTCAGTCAATCCATCTTACCCCTGGAGCAGGCTCCATATACATACATCTTCTC 197
Db 121 CTACAACTGTCAGTCAATCCATCTTACCCCTGGAGCAGGCTCCATATACATACATCTTCTC 180
Qy 198 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTCTATAGCCCTGTGTGATGAA 257
Db 181 CTATGTAGACAGCCACCATGAATATCCAGCCATGACATTTCTATAGCCCTGTGTGATGAA 240
Qy 258 TTACAGCAATCCCAGCAATGCTCACTTGTGAGAGTGGGCTGTGCGGAGACCAACAAG 317
Db 241 TTACAGCAATCCCAGCAATGCTCACTTGTGAGAGTGGGCTGTGCGGAGACCAACAAG 300
Qy 318 CCCAAATGTGTGGGCCAACACCTGGGCACTTCTCTTTAGTGGTCCATCGCCAGTT 377
Db 301 CCCAAATGTGTGTGGGCCAACACCTGGGCACTTCTCTTTAGTGGTCCATCGCCAGTT 360
Qy 378 ATCAGATCTGTATGCGGAACCTCAAAAAGAGTCCCTGTGTGAGCAAGATCGCTAGAACA 437
Db 361 ATCAGATCTGTATGCGGAACCTCAAAAAGAGTCCCTGTGTGAGCAAGATCGCTAGAACA 420
Qy 438 CACCTTACTCTGTAAACAGAGAGACTGAAAGGAAGGTTAGTGGGAACCGTTGGCCAG 497

Db 421 |||||CACCTTACCTGTAACAGAGAGACACTGAAAGGAAGGTTAGTGGGAACCGTTGCGCCAG 480
Qy 498 CCCTGTTTACTGGTCCAGGTTCAAAAGAGGGATGCTCACTTCTGCGCTGTCTGACGCGATTAA 557
Db 481 CCCTGTTTACTGGTCCAGGTTCAAAAGAGGGATGCTCACTTCTGCGCTGTCTGACGCGATTAA 540
Qy 558 CGCATCGGGATATCACTATGAGTCTGGTCTGTGTAAGGATGTAAAGGCCCTTTTAAAAAG 617
Db 541 CGCATCGGGATATCACTATGAGTCTGGTCTGTGTAAGGATGTAAAGGCCCTTTTAAAAAG 600
Qy 618 AAGCATTCNAGGACATATGATTATATTTGTCGAGCTACAAATCAGTGTACATCGATAA 677
Db 601 AAGCATTCNAGGACATATGATTATATTTGTCGAGCTACAAATCAGTGTACATCGATAA 660
Qy 678 AAACCGCGCGAAGAGCTGCCAGGCTGCCACTTCGGAAGTGTACGAAGTGGGAATGGT 737
Db 661 AAACCGCGCGAAGAGCTGCCAGGCTGCCAGTTCGGAAGTGTACGAAGTGGGAATGGT 720
Qy 738 GAAGTGTGGCTCCCGGAGAGAGATGTGGTACCGCTTTGCGGAGACAGAGAAGTGC 797
Db 721 GAAGTGTGGCTCCCGGAGAGAGATGTGGTACCGCTTTGCGGAGACAGAGAAGTGC 780
Qy 798 CGACGACAGCTGCACCTGTCGCGCAAGGCCAAGAGAGTGGCGGCCACCGCCCGAGT 857
Db 781 CGACGACAGCTGCACCTGTCGCGCAAGGCCAAGAGAGTGGCGGCCACCGCCCGAGT 840
Qy 858 GCGGGAGCTGCTGCTGGAAGCCCTGAGCCCGGACAGCTAGTGTCACTACCTCTCTGGAGGC 917
Db 841 GCGGGAGCTGCTGCTGGAAGCCCTGAGCCCGGACAGCTAGTGTCACTACCTCTCTGGAGGC 900
Qy 918 TGAGCCGCCCCCATGCTGATCAAGCCGCCAGTGGCCCTTCAACGAGGCTCCCATGAT 977
Db 901 TGAGCCGCCCCCATGCTGATCAAGCCGCCAGTGGCCCTTCAACGAGGCTCCCATGAT 960
Qy 978 GATGTCCCTGACCAAGTTGGCGGACCAAGAGTGTGTTACATGATCAGCTGGCGCCAGAA 1037
Db 961 GATGTCCCTGACCAAGTTGGCGGACCAAGAGTGTGTTACATGATCAGCTGGCGCCAGAA 1020
Qy 1038 GATTCGCGGCTTGTGGAGCTCAGCTGTTGACCAAGTGGCGCTCTTGGAGAGCTGTG 1097
Db 1021 GATTCGCGGCTTGTGGAGCTCAGCTGTTGACCAAGTGGCGCTCTTGGAGAGCTGTG 1080
Qy 1098 GATGGAGTGTAAATGATGGGGTGTATGTCGCGCTCAATTGACCAACCCCGCAAGCTCAT 1157
Db 1081 GATGGAGTGTAAATGATGGGGTGTATGTCGCGCTCAATTGACCAACCCCGCAAGCTCAT 1140
Qy 1158 CTTTGTCTCCAGATCTTGTCTGGACAGGGATGAGGGGAATGCGTAGAAGGAATCTTGA 1217
Db 1141 CTTTGTCTCCAGATCTTGTCTGGACAGGGATGAGGGGAATGCGTAGAAGGAATCTTGA 1200
Qy 1218 AATCTTTGACATGCTCTGCGCACTACTTCAAGGTTTCGAGGTTAAACTCCCAACAA 1277
Db 1201 AATCTTTGACATGCTCTGCGCACTACTTCAAGGTTTCGAGGTTAAACTCCCAACAA 1260
Qy 1278 AGAATATCTCTGTCTCAAGGCCATGATCTCTGCTCAATTCCAGTATGTACCTCTGCTCAC 1337
Db 1261 AGAATATCTCTGTCTCAAGGCCATGATCTCTGCTCAATTCCAGTATGTACCTCTGCTCAC 1320
Qy 1338 AGCGACCCAGGATGCTGACAGCAGCGGAAGCTGGCTCACTTGTCTGAAACCGCGTACCBA 1397
Db 1321 AGCGACCCAGGATGCTGACAGCAGCGGAAGCTGGCTCACTTGTCTGAAACCGCGTACCBA 1380
Qy 1398 TGCTTTTGGTTGGGTGATTGCCAAGAGCGGCATCTCTCTCCAGCAGCAATCCATGCGCCT 1457
Db 1381 TGCTTTTGGTTGGGTGATTGCCAAGAGCGGCATCTCTCTCCAGCAGCAATCCATGCGCCT 1440
Qy 1458 GGTAACTCTCTGATGCTCTCTGTCCTCAAGTCCAGGATGCGAGTAAACAAAGGGATGAAAC 1517
Db 1441 GGTAACTCTCTGATGCTCTCTGTCCTGTCCTCAAGTCCAGGATGCGAGTAAACAAAGGGATGAAAC 1500
Qy 1518 TCTGCTCAACATGAAGTGCAAAAATGTGFTCCAGTGTATGACCTCTGCTGAGATGCT 1577

Db 1501 TCTGCTCAACATGAAGTGCAAAAATGTGFTCCAGTGTATGACCTGCTGCTGGAGATGCT 1560
Qy 1578 GAATGCCACAGTCTCTTCCGGGGTCAAGTCTCCATCACGGGTCCAGTGCAGCCCGC 1637
Db 1561 GAATGCCACAGTCTCTTCCGGGGTCAAGTCTCCATCACGGGTCCAGTGCAGCCCGC 1620
Qy 1638 AGAGGACAGTAAAGCAAGAGAGGGCTCCAGAACCCACACAGTCTCAGTGA 1686
Db 1621 AGAGGACAGTAAAGCAAGAGAGGGCTCCAGAACCCACACAGTCTCAGTGA 1669

RESULT 5
US-09-139-617-2
; Sequence 2, Application US/09139617
; Patent No. 6222015
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/139,617
; CURRENT FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 60/058,271
; EARLIER FILING DATE: 1997-09-08
; EARLIER APPLICATION NUMBER: 60/060,520
; EARLIER FILING DATE: 1997-09-30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1647
; TYPE: DNA
; ORGANISM: HUMAN
US-09-139-617-2

Query Match 96.9%; Score 1634; DB 3; Length 1647;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 45 CTTTGTGCTCTCTTTGCAAGGTGTTTCTCAGCTGCTATCTCAAGACATGATATAAA 104
Db 6 CTTTGTGCTCTCTTTGCAAGGTGTTTCTCAGCTGTTATCTCAAGACATGATATAAA 65
Qy 105 AAATCACCATCTAGCCTTAATTCCTTCTCTCAAACTGAGTCAATTCATCTTACC 164
Db 66 AAATCACCATCTAGCCTTAATTCCTTCTCTCAAACTGAGTCAATTCATCTTACC 125
Qy 165 CTTGAGGACGCTCCATATACATACCTTCTCTCTAGACAGCAGCATGAATATCC 224
Db 126 CTTGAGGACGCTCCATATACATACCTTCTCTCTAGACAGCAGCATGAATATCC 185
Qy 225 AGCCATGACATCTATAGCCCTGCTGTGATGAATTAACAGCATTCAGCAATGTCACTAA 284
Db 186 AGCCATGACATCTATAGCCCTGCTGTGATGAATTAACAGCATTCAGCAATGTCACTAA 245
Qy 285 CTTGAAAGTGGGCTGTCGCGAGACACCAAGGCCAAATGTTGTGGCCCAACCTGG 344
Db 246 CTTGAAAGTGGGCTGTCGCGAGACACCAAGGCCAAATGTTGTGGCCCAACCTGG 305
Qy 345 GCACCTTCTCTCTTGTAGTGGTCCATCGCCAGTTATCACATCTGTATGCCGAACCTCAAAA 404
Db 306 GCACCTTCTCTCTTGTAGTGGTCCATCGCCAGTTATCACATCTGTATGCCGAACCTCAAAA 365
Qy 405 GAGTCCCTGCTGTGAAGCAAGATCCCTAGAACACACCTTACCTGTAAACAGAGACACT 464
Db 366 GAGTCCCTGCTGTGAAGCAAGATCCCTAGAACACACCTTACCTGTAAACAGAGACACT 425
Qy 465 GAAAGGAAGTGTAGTGGGAACCGTTGGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG 524
Db 426 GAAAGGAAGTGTAGTGGGAACCGTTGGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAG 485
Qy 525 GGATGCTCACTTCTCGCTGTCTGAGGAGATTACGCATCGGATATCACTATGGAGTCTG 584
Db 486 GGATGCTCACTTCTCGCTGTCTGAGGAGATTACGCATCGGATATCACTATGGAGTCTG 545

585 GTCTGTGAAGGATGTAAGCCCTTTTAAAGAAAGCAATTCAGGACATAATGATTATAT 644
Db |||||||
546 GTCTGTGAAGGATGTAAGCCCTTTTAAAGAAAGCAATTCAGGACATAATGATTATAT 605
Qy |||||||
645 TTGTCCAGCTACAAATCAGTGTACATCGATATAAAACCGCGCGCAGAGCTGCAGCCCTG 704
Db |||||||
606 TTGTCCAGCTACAAATCAGTGTACATCGATATAAAACCGCGCGCAGAGCTGCAGCCCTG 665
Qy |||||||
705 CCGACTTCGGAAGTGTTCGAAGTGGGAATGGTGAAGTGTGCTCCCGGAGAGAGATG 764
Db |||||||
666 CCGACTTCGGAAGTGTTCGAAGTGGGAATGGTGAAGTGTGCTCCCGGAGAGAGATG 725
Qy |||||||
765 TGGGTACCGCTTTGTCGGAGACAGAGAAAGTCCGACGAGAGCTGCACTGTGCCGCAA 824
Db |||||||
726 TGGGTACCGCTTTGTCGGAGACAGAGAAAGTCCGACGAGAGCTGCACTGTGCCGCAA 785
Qy |||||||
825 GGCCTAAGAGAAAGTGGCGGCGCAGCGCCGAGTGGCGGAGCTGCTGTGGAGCCCTGAG 884
Db |||||||
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Qy |||||||
885 CCCCGAGCAGTAGTGTCTCACTCTCTGAGGCTGAGCCGCCCATGTGCTGATCAGCGG 944
Db |||||||
846 CCCCGAGCAGTAGTGTCTCACTCTCTGAGGCTGAGCCGCCCATGTGCTGATCAGCGG 905
Qy |||||||
945 CCCCGAGCAGTAGTGTCTCACTCTCTGAGGCTGAGCCGCCCATGTGCTGATCAGCGG 1004
Db |||||||
906 CCCCGAGCAGTAGTGTCTCACTCTCTGAGGCTGAGCCGCCCATGTGCTGATCAGCGG 965
Qy |||||||
1005 GGAGTTGGTACATGATCAGCTGGGCGAAGAGATTCGCGCTTTGGAGCTCAGCT 1064
Db |||||||
966 GGAGTTGGTACATGATCAGCTGGGCGAAGAGATTCGCGCTTTGGAGCTCAGCT 1025
Qy |||||||
1065 GTTCGACCAAGTGGCGCTCTTGAGAGCTGTTGGATGGAGTGTAAATGATGGGCTGAT 1124
Db |||||||
1026 GTTCGACCAAGTGGCGCTCTTGAGAGCTGTTGGATGGAGTGTAAATGATGGGCTGAT 1085
Qy |||||||
1125 GTGGCGCTCAATTGACCAACCCCGCAAGCTCATCTTTGCTCAGATCTTTGTTCTGGACAG 1184
Db |||||||
1086 GTGGCGCTCAATTGACCAACCCCGCAAGCTCATCTTTGCTCAGATCTTTGTTCTGGACAG 1145
Qy |||||||
1185 GGATGAGGGGAAATGGGTAGAGGAATCTTGGAATCTTTGACATGCTCTCTGGCACTAC 1244
Db |||||||
1146 GGATGAGGGGAAATGGGTAGAGGAATCTTGGAATCTTTGACATGCTCTCTGGCACTAC 1205
Qy |||||||
1245 TTCAAGTTTCGAGAGCTTAAACTCCACACAAAGAAATATCTGTGTCAAGCCCATGAT 1304
Db |||||||
1206 TTCAAGTTTCGAGAGCTTAAACTCCACACAAAGAAATATCTGTGTCAAGCCCATGAT 1265
Qy |||||||
1305 CTGTCTCAATTCAGTATGATACCTCTGTGTACAGCGACCCAGGATGCTGACAGAGCGG 1364
Db |||||||
1266 CTGTCTCAATTCAGTATGATACCTCTGTGTACAGCGACCCAGGATGCTGACAGAGCGG 1325
Qy |||||||
1365 GAAGCTGGCTCATCTGCTGAAACCGCGTGAACCGATGCTTTGGTTGGGTGATTTGCCAAGAG 1424
Db |||||||
1326 GAAGCTGGCTCATCTGCTGAAACCGCGTGAACCGATGCTTTGGTTGGGTGATTTGCCAAGAG 1385
Qy |||||||
1425 CGGCATCTCCTCCACAGCAATCCATGCGCTGGCTAACCTCTCTGATGCTCTCTCTCCCA 1484
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1386 CGGCATCTCCTCCACAGCAATCCATGCGCTGGCTAACCTCTCTGATGCTCTCTCTCCCA 1445
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1485 CGTCAGGCATGCGAGTAAACAAGGGCATGGAAATCTGTCTCAACATGAAGTCAAAAATGT 1544
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1446 CGTCAGGCATGCGAGTAAACAAGGGCATGGAAATCTGTCTCAACATGAAGTCAAAAATGT 1505
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1545 GGTCCAGTGTATGATCTGCTGTGAGATGCTGAATGCCATCGTCTTCGCGGTGCAA 1604
Db |||||||
1506 GGTCCAGTGTATGATCTGCTGTGAGATGCTGAATGCCATCGTCTTCGCGGTGCAA 1565
Qy |||||||
1605 GTCTCCATCAGGGGTCCGAGTGCAGCCCGCAGAGGACAGTAAAGCAAGAGGGCTC 1664
Db |||||||
1566 GTCTCCATCAGGGGTCCGAGTGCAGCCCGCAGAGGACAGTAAAGCAAGAGGGCTC 1625
Qy |||||||
1665 CCAGAACCCACAGTCTCACTGA 1686

Db 1626 CCAGAACCCACAGTCTCAGTGA 1647
RESULT 6
US-09-561-741A-2
; Sequence 2, Application US/09561741A
; Patent No. 6458551
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/561,741A
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1647
; TYPE: DNA
; ORGANISM: HUMAN
US-09-561-741A-2
Query Match 96.9%; Score 1634; DB 3; Length 1647;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 45 CCTTTGTGCTCTCTTTGCAAGGTGTTTCTCAGCTGCTATCTCAAGACATGGATATATA 104
Db |||||||
6 CTTTGTAGCTCTCTTTGCAAGGTGTTTCTCAGCTGTTATCTCAAGACATGGATATATA 65
Qy 105 AAATCAACCATCTAGCCCTTAATCTCTCTCTCAACCTGCGAGTCAATCACTCTTACC 164
Db |||||||
66 AAATCAACCATCTAGCCCTTAATCTCTCTCTCAACCTGCGAGTCAATCACTCTTACC 125
Qy 165 CCTCGAGCAGCGCTCCATATACATACCTTCTCTCTATGTAGACAGCCACCATGATATACC 224
Db |||||||
126 CCTCGAGCAGCGCTCCATATACATACCTTCTCTCTATGTAGACAGCCACCATGATATACC 185
Qy 225 AGCCATGACATCTTATAGCCCTGCTGTGATGAATTTACAGCATTCCTCCAAATGTCACTAA 284
Db |||||||
186 AGCCATGACATCTTATAGCCCTGCTGTGATGAATTTACAGCATTCCTCCAAATGTCACTAA 245
Qy 285 CTTGGAAGTGGGCTGCTGCGCAGACCAAGCCCAAAATGTGTTGTGGCCAAACCTCTGG 344
Db |||||||
246 CTTGGAAGTGGGCTGCTGCGCAGACCAAGCCCAAAATGTGTTGTGGCCAAACCTCTGG 305
Qy 345 GCACCTTCTCTTTAGTGGTCCATCGCAGTATACATCTGTATGCGGAACCTCAAAA 404
Db |||||||
306 GCACCTTCTCTTTAGTGGTCCATCGCAGTATACATCTGTATGCGGAACCTCAAAA 365
Qy 405 GAGTCCCTGCTGGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGACACT 464
Db |||||||
366 GAGTCCCTGCTGGAAGCAAGATCGCTAGAACACACCTTACCTGTAAACAGAGACACT 425
Qy 465 GAAAGGAAGTGTAGTGGGAAACCGTTGCGCAGCCCTGTTTACTGGTCCAGGTTCAAGAG 524
Db |||||||
426 GAAAGGAAGTGTAGTGGGAAACCGTTGCGCAGCCCTGTTTACTGGTCCAGGTTCAAGAG 485
Qy 525 GGATGCTCATTCTCGCTGCTGCGAGTATCGCATCGGATATCACTATGGAGTCTG 584
Db |||||||
486 GGATGCTCATTCTCGCTGCTGCGAGTATCGCATCGGATATCACTATGGAGTCTG 545
Qy 585 GTCTGTGAAGCATGTAAAGGCTTTTAAAGGAAGCATTCAGGACATAATGATTATAT 644
Db |||||||
546 GTCTGTGAAGCATGTAAAGGCTTTTAAAGGAAGCATTCAGGACATAATGATTATAT 605
Qy 645 TTGTCCAGCTACAAATCAGTGTACATCGATATAAAACCGCGCAAGAGCTGCCAGGCTG 704

606 TTGTCCAGCTACAAATCAGTGTACAAATCGATAAAAACCGCGCAAGAGCTGCCAGGCGCTG 665
705 CCGACTTTCCGAAGTGTACGAAGTGGGAAATGGTGAAGTGTGGCTCCCGGAGAGAGATG 764
666 CCGACTTCGAAGTGTACGAAGTGGGAAATGGTGAAGTGTGGCTCCCGGAGAGAGATG 725
765 TGGGTACCGGCTTTGTGCGGACAGAGAAAGTGGCGACGAGCTGCACTGTGCCGGCAA 824
726 TGGGTACCGGCTTTGTGCGGACAGAGAAAGTGGCGACGAGCTGCACTGTGCCGGCAA 785
825 GGCCAAAGAGAGTGGCGGCGCACGCGCCCGAGTGGGAGCTGCTGACGCCCTGAG 884
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885 CCCCGACGAGTGTGCTCACTCCCTCTGGAGGCTGAGCCGCCCATGTGCTGATCAGCCG 944
846 CCCCGACGAGTGTGCTCACTCCCTCTGGAGGCTGAGCCGCCCATGTGCTGATCAGCCG 905
945 CCCCGAGTGGCTTCCACCGAGGCTCCATGATGATGCTCCCTGACCAAGTGGCGGACAA 1004
906 CCCCGAGTGGCTTCCACCGAGGCTCCATGATGATGCTCCCTGACCAAGTGGCGGACAA 965
1005 GAGTGTGGTACACATGATCAGCTGGGCCAAAGAGATTCGCGGCTTTGTGAGCTCAGCCT 1064
966 GAGTGTGGTACACATGATCAGCTGGGCCAAAGAGATTCGCGGCTTTGTGAGCTCAGCCT 1025
1065 GTTCGACCAAGTGGGCTCTTTGAGAGCTGTTGATGAGGCTGTTAATGATGGGCTGAT 1124
1026 GTTCGACCAAGTGGGCTCTTTGAGAGCTGTTGATGAGGCTGTTAATGATGGGCTGAT 1085
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1245 TTCAAGGTTTCGAGAGTTAAATCCCAACCAAGAGATATCTGTTGTCAGGCCATGAT 1304
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1305 CTGCTCAATTCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1364
1266 CTGCTCAATTCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1325
1365 GAAGCTGGCTCACTGCTGAAACCGCGTGAACCGATGCTTTGGTTGGGTGATGATGATGATGAT 1424
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1425 CGGCATCTCTCCAGCAGCAATCCATGCGCTGGCTTAACCTCTGATGCTCTGTCCTCA 1484
1386 CGGCATCTCTCCAGCAGCAATCCATGCGCTGGCTTAACCTCTGATGCTCTGTCCTCA 1445
1485 CGTCAGGCTGCGAGTAAACAGGCGCATGGAATCTGCTCAACATGAAGTGAATAATGCT 1544
1446 CGTCAGGCTGCGAGTAAACAGGCGCATGGAATCTGCTCAACATGAAGTGAATAATGCT 1505
1545 GGTCCAGTGTATGATGCTGCTGAGAGTGTGAAATGCCACGCTCTTCGCGGTGCAA 1604
1506 GGTCCAGTGTATGATGCTGCTGAGAGTGTGAAATGCCACGCTCTTCGCGGTGCAA 1565
1605 GTCTCTCATCAAGGCTGCGAGTGCAGCCCGGAGAGGACAGTAAAGCAAGAGGCTC 1664
1566 GTCTCTCATCAAGGCTGCGAGTGCAGCCCGGAGAGGACAGTAAAGCAAGAGGCTC 1625
1665 CCAGAACCCACAGCTCTCAGTGA 1686
1626 CCAGAACCCACAGCTCTCAGTGA 1647

US-09-558-795-2
; Sequence 2, Application US/09558795
; Patent No. 6562592
; GENERAL INFORMATION:
; APPLICANT: WILKINSON, HILARY
; TITLE OF INVENTION: ESTROGEN RECEPTOR
; FILE REFERENCE: 20047Y
; CURRENT APPLICATION NUMBER: US/09/558,795
; CURRENT FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: 09/139,617
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/058,271
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: 60/060,520
; PRIOR FILING DATE: 1997-09-30
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1647
; TYPE: DNA
; ORGANISM: HUMAN
US-09-558-795-2

Query Match 96.9%; Score 1634; DB 4; Length 1647;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1637; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 45 CTTTGTGGCTCTTCTTGCAGGCTTTTCTCAGCTGCTATCTCAAGACATGGATATAA 104
DB 6 CTTTGTAGCCTCTTCTTGCAGGCTTTTCTCAGCTGTTATCTCAAGACATGGATATAA 65
QY 105 AAATCACCATCTAGCCTTTAAATTCCTCTCTCTCAACTGCAGTCAATCCATCTTACC 164
DB 66 AAATCACCATCTAGCCTTTAAATTCCTCTCTCTCAACTGCAGTCAATCCATCTTACC 125
QY 165 CTTGAGCAGCGCTCCATATACATACCTTCCTCTATGATGAGCAGCCACATGAATATCC 224
DB 126 CTTGAGCAGCGCTCCATATACATACCTTCCTCTCTATGATGAGCAGCCACATGAATATCC 185
QY 225 AGCCATGACATCTATAGCCCTGCTGATGATGATGATGATGATGATGATGATGATGATGAT 284
DB 186 AGCCATGACATCTATAGCCCTGCTGATGATGATGATGATGATGATGATGATGATGATGAT 245
QY 285 CTTGAAAGTGGCGCTGCTGCGCAGACACCAAGCCCAATGTTGTTGCGCCCAACCTGG 344
DB 246 CTTGAAAGTGGCGCTGCTGCGCAGACACCAAGCCCAATGTTGTTGCGCCCAACCTGG 305
QY 345 GCACCTTTCTCCTTTAGTGGTCCATGCGCAGTTATCAATCTGTATGCGGAACTCAAAA 404
DB 306 GCACCTTTCTCCTTTAGTGGTCCATGCGCAGTTATCAATCTGTATGCGGAACTCAAAA 365
QY 405 GAGTCCCTGCTGTGAGCAAGATCGTAGACACACCTTACCTGTAAACAGAGAGACCT 464
DB 366 GAGTCCCTGCTGTGAGCAAGATCGTAGACACACCTTACCTGTAAACAGAGAGACCT 425
QY 465 GAAAAGGAGGTTAGTGGGAAACCGTTGCGCAGCCCTGTTACTGTGTCAGGTTCAAAGAG 524
DB 426 GAAAAGGAGGTTAGTGGGAAACCGTTGCGCAGCCCTGTTACTGTGTCAGGTTCAAAGAG 485
QY 525 GAGTCTCACTTCTGCGCTGTCTGAGCGATTTACGCATCGGATATCACTATGGAGTCTG 584
DB 486 GAGTCTCACTTCTGCGCTGTCTGAGCGATTTACGCATCGGATATCACTATGGAGTCTG 545
QY 585 GTCGTGGAAGATGTAAGGCTTTTAAAGAGCATTCNAGACATATGATATAT 644
DB 546 GTCGTGGAAGATGTAAGGCTTTTAAAGAGCATTCNAGACATATGATATAT 605
QY 645 TTGTCAGCTACAAATCAGTGTACAAATCGATAAAACCGCGCAAGAGCTGCGAGGCTG 704
DB 606 TTGTCAGCTACAAATCAGTGTACAAATCGATAAAACCGCGCAAGAGCTGCGAGGCTG 665
QY 705 CCGACTTCGAGTGTGTTACGAAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGATG 764

666 CCAGCTTCGGAGTGTGTAAGAGTGGGAATGGTGAAGTGTGGCTCCCGGAGAGAGATG 725
765 TGGGTACCGCTTGTGGGAGACAGAGAAAGTGGCCGACGAGCTGCACTGTGCCGGCAA 824
726 TGGGTACCGCTTGTGGGAGACAGAGAAAGTGGCCGACGAGCTGCACTGTGCCGGCAA 785
825 GGCACAGAGAAAGTGGCGGCCACCGCCCGGAGTGGCGGAGCTGCTGCTGGAGCCCTGAG 884
786 GGCACAGAGAAAGTGGCGGCCACCGCCCGGAGTGGCGGAGCTGCTGCTGGAGCCCTGAG 845
885 CCCCGAGCAGTGTGCTCACCTCTCTGGAGGCTGAGCCGCCCATGCTGATCAGCG 944
846 CCCCGAGCAGTGTGCTCACCTCTCTGGAGGCTGAGCCGCCCATGCTGATCAGCG 905
945 CCCAGTGGCCCTTACCGAGGCTCCATGATGTCTCCAGCAAGTGGCCGACAA 1004
906 CCCAGTGGCCCTTACCGAGGCTCCATGATGTCTCCAGCAAGTGGCCGACAA 965
1005 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAAGATTCGGGCTTTGTGGAGCTCAGCT 1064
966 GGAGTTGGTACACATGATCAGCTGGGCCAAGAAAGATTCGGGCTTTGTGGAGCTCAGCT 1025
1065 GTTCGACCAAGTGGGCTTCTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGAT 1124
1026 GTTCGACCAAGTGGGCTTCTGGAGAGCTGTTGGATGGAGGTGTTAATGATGGGCTGAT 1085
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1086 GTGGCGCTCAATTGACACACCCCGCAAGCTCATCTTTGCTCCAGATCTTTGTTCTGACAG 1145
1185 GGATGAGGGGAAATCGGTAGAGGAATTCGGAATTCGGAATCTTTGACATGCTCCTGGCACTAC 1244
1146 GGATGAGGGGAAATCGGTAGAGGAATTCGGAATTCGGAATCTTTGACATGCTCCTGGCACTAC 1205
1245 TTCAAGGTTTCGAGCTTAAACTCCAAACAGAAATATCTCTGCTCAAGGCCATGAT 1304
1206 TTCAAGGTTTCGAGCTTAAACTCCAAACAGAAATATCTCTGCTCAAGGCCATGAT 1265
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1266 CTGCTCAATTCCAGTATGTACCTCTGCTCAGCGACCCAGGATGCTGACAGAGCG 1325
1365 GAAGCTGGCTCACTGCTGAAAGCCGCTGACCGATGCTTTGGTTTGGGTGAATGCCAAGAG 1424
1326 GAAGCTGGCTCACTGCTGAAAGCCGCTGACCGATGCTTTGGTTTGGGTGAATGCCAAGAG 1385
1425 CGGCATCTCTCCAGAGCAATCCATGCGCTGGCTTAACCTCCTGATGCTCTGCTCCA 1484
1386 CGGCATCTCTCCAGAGCAATCCATGCGCTGGCTTAACCTCCTGATGCTCTGCTCCA 1445
1485 CGTCAGGCATGCGAGTAAAGAGGCATGGAACATCTGCTCAACATGAAGTGCAAAATGT 1544
1446 CGTCAGGCATGCGAGTAAAGAGGCATGGAACATCTGCTCAACATGAAGTGCAAAATGT 1505
1545 GGTCCAGTGTATGACCTGCTGTGAGATGCTGGAATGCCAGTCTTCCGGGTGCAA 1604
1506 GGTCCAGTGTATGACCTGCTGTGAGATGCTGGAATGCCAGTCTTCCGGGTGCAA 1565
1605 GTCTCTCATCAGCGGCTCCAGTGGCAGCCCGGAGAGGACAGTAAAGCAAGAGGGCTC 1664
1566 GTCTCTCATCAGCGGCTCCAGTGGCAGCCCGGAGAGGACAGTAAAGCAAGAGGGCTC 1625
1665 CCAGAACCCACAGCTCTCAGTGA 1686
1626 CCAGAACCCACAGCTCTCAGTGA 1647

RESULT 8
US-08-836-620A-4
; Sequence 4, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:

TITLE OF INVENTION: Orphan receptor
NUMBER OF SEQUENCES: 19
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836.620A
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP96/03933
FILING DATE:
APPLICATION NUMBER: GB 9518272.1
FILING DATE: 08-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9605550.4
FILING DATE: 15-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9607532.0
FILING DATE: 11-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9609576.5
FILING DATE: 08-MAY-1996
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1460 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-836-620A-4
Query Match 86.2%; Score 1453.6; DB 2; Length 1460;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1456; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 227 CCATGACATCTTATAGCCCTCTGTGATGAATTACAGCATTCACAGCAATGTCATACT 286
DB 1 CTAAGCATCTACAGTCCTCTGTGATGAATTACAGCATTCACAGCAATGTCATACT 60
QY 287 TGGAAAGTGGCGTGGTGGGACAGACCAAGCCCAAAATGTGTGTGGCCAAACCTGGGC 346
DB 61 TGGAAAGTGGCGTGGTGGGACAGACCAAGCCCAAAATGTGTGTGGCCAAACCTGGGC 120
QY 347 ACCTTTCTCTTTAGTGTGTCATGCCAGTTTATACATCTGTATGCGGAACTCAAAGA 406
DB 121 ACCTTTCTCTTTAGTGTGTCATGCCAGTTTATACATCTGTATGCGGAACTCAAAGA 180
QY 407 GTCCCTGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTATAACAGAGAGACACTGA 466
DB 181 GTCCCTGTGTGAAGCAAGATCGCTAGAACACACCTTACCTGTATAACAGAGAGACACTGA 240
QY 467 AAAGAAAGTTAGTGGGAAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGG 526
DB 241 AAAGAAAGTTAGTGGGAAACCGTTGCGCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGG 300
QY 527 ATGCTCACTCTTGGCGTCTGTGACGAGATTACGCATCGGGATATCACTATGGAGTCTGGT 586
DB 301 ATGCTCACTCTTGGCGTCTGTGACGAGATTACGCATCGGGATATCACTATGGAGTCTGGT 360
QY 587 CGTGTGAAGGATGTAAAGCCCTTTTTTAAAGAAAGCATTCAGAGACATATGATATATTT 646
DB 361 CGTGTGAAGGATGTAAAGCCCTTTTTTAAAGAAAGCATTCAGAGACATATGATATATTT 420
QY 647 GTCCAGCTTACAAATCAGTGTACAATCGATATAAAACCGCGCGCAAGAGTGCACAGGCTGCC 706
DB 421 GTCCAGCTTACAAATCAGTGTACAATCGATATAAAACCGCGCGCAAGAGTGCACAGGCTGCC 480
QY 707 GACTTCGGAAGTGTTCAGAGTGGGAATGGTGAAGTGGGCTCCCGGAGAGAGAGATGTG 766
DB 481 GACTTCGGAAGTGTTCAGAGTGGGAATGGTGAAGTGGGCTCCCGGAGAGAGAGATGTG 540

Qy	767	GGTACCGCTTTGTGCGGAGACAGAGAAAGTGCAGACGACAGCTGCACCTGTGTCGCGCAAGG	828
Db	541	GGTACCGCTTTGTGCGGAGACAGAGAAAGTGCAGACGACAGCTGCACCTGTGTCGCGCAAGG	600
Qy	827	CCAGAGAGAGTGGCGGCCACCGGCCCCGAGTGGGGAGCTGCTGTGACGCGCTTGAGCC	886
Db	601	CCAAGAGAGTGGCGGCCACCGGCCCCGAGTGGGGAGCTGCTGTGACGCGCTTGAGCC	660
Qy	887	CCGAGCAGCTAGTGTCAACCCTCTCGGAGGCTGAGCGCCCATGTGCTGATCAGCGGCC	946
Db	661	CCGAGCAGCTAGTGTCAACCCTCTCGGAGGCTGAGCGCCCATGTGCTGATCAGCGGCC	720
Qy	947	CCAGTGGCCCTTTCACCGAGCCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAAAGG	1006
Db	721	CCAGTGGCCCTTTCACCGAGCCCTCCATGATGATGTCCCTGACCAAGTTGGCCGACAAAGG	780
Qy	1007	AGTTGGTACATCATCAGCTGGCGCCCAAGAGATTCCGGCTTTGTGGAGCTCAGCCTGT	1066
Db	781	AGTTGGTACATCATCAGCTGGCGCCCAAGAGATTCCGGCTTTGTGGAGCTCAGCCTGT	840
Qy	1067	TCGACCAAGTGGCGCTCTTGAGAGAGCTGTTGGATGGAGGTCTTAATGATGGGGCTGATGT	1126
Db	841	TCGACCAAGTGGCGCTCTTGAGAGAGCTGTTGGATGGAGGTCTTAATGATGGGGCTGATGT	900
Qy	1127	GGCGCTCAATGACACACCCCGGCAAGCTCATCTTTGTGCCAGATCTTTGTTCTGACACAGG	1186
Db	901	GGCGCTCAATGACACACCCCGGCAAGCTCATCTTTGTGCCAGATCTTTGTTCTGACACAGG	960
Qy	1187	ATCAGGGGAATCGGTAGAGGAATCTGGAAATCTTTTGACATGCTCTGTGCAACTACTT	1246
Db	961	ATCAGGGGAATCGGTAGAGGAATCTGGAAATCTTTTGACATGCTCTGTGCAACTACTT	1020
Qy	1247	CAAGGTTTCGAGAGTTTAAAACTCCAAACAAAGAAATCTCTGTGTCAAAGCCCATGATCC	1306
Db	1021	CAAGGTTTCGAGAGTTTAAAACTCCAAACAAAGAAATCTCTGTGTCAAAGCCCATGATCC	1080
Qy	1307	TGCTCAATTCCAGTATGTACCTCTGTGTCAAGCGACCCAGGATGTGACAGAGCGCGA	1366
Db	1081	TGCTCAATTCCAGTATGTACCTCTGTGTCAAGCGACCCAGGATGTGACAGAGCGCGA	1140
Qy	1367	AGCTGGCTCACTTGTGMAAGCCGTGACCGATGCTTTGGTTGGGTGATTGCCAAGAGCG	1426
Db	1141	AGCTGGCTCACTTGTGMAAGCCGTGACCGATGCTTTGGTTGGGTGATTGCCAAGAGCG	1200
Qy	1427	GCATCTCTCCAGCAGCAATCCATCGCCCTGGCTAACCTCCCTGATGCTCCTGTCCCAAG	1486
Db	1201	GCATCTCTCCAGCAGCAATCCATCGCCCTGGCTAACCTCCCTGATGCTCCTGTCCCAAG	1260
Qy	1487	TCAGGCATCGGAGTAAACAAGGGCATGGAACATCTGTCAACATGAAGTGCAAAATGTGG	1546
Db	1261	TCAGGCATCGGAGTAAACAAGGGCATGGAACATCTGTCAACATGAAGTGCAAAATGTGG	1320
Qy	1547	TCCCAAGTATGACCTGCTGTGGAGATGCTGAATGCCACAGTCTTCCGGGTGCAAGT	1606
Db	1321	TCCCAAGTATGACCTGCTGTGGAGATGCTGAATGCCACAGTCTTCCGGGTGCAAGT	1380
Qy	1607	CCTCCATCAACCGGGTCCGAGTGCAGCCCGGACAGGACAGTAAAGCAAGAGGGCTCCC	1666
Db	1381	CCTCCATCAACCGGGTCCGAGTGCAGCCCGGACAGGACAGTAAAGCAAGAGGGCTCCC	1440
Qy	1667	AGAACCCACAGTCTCAGTGA	1686
Db	1441	AGAACCTACAGTCTCAGTGA	1460

RESULT 9

RESULT 9
US-09-608-088-1

Sequence 1, Application US/09608088

; Patent No. 6680368

GENERAL INFORMATION:

; APPLICANT: Mosselman, Sietse

; APPLICANT: Dijkema, Rein

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; TITLE OF INVENTION: No. 6580368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 1434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-1

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Query Match	85.1%	Score 1434;	DB 4;	Length 1434;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1434;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	253	ATGAATTTACAGCATTC	CCACAGATGTCACTAACTTGGAAAGGTGGGCTGTGTCGCAGACC	312
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Qy	313	ACAAAGCCCAATGTGTTGTGCGCCAAACCTCGGCACCTTTCTCCTTTAGTGGTCCATCGC	372	
Db	61	ACAAAGCCCAATGTGTTGTGCGCCAAACCTCGGCACCTTTCTCCTTTAGTGGTCCATCGC	120	
Qy	373	CAGTTATCATCTGTATGCGGAACTCTCAAAAGATCCCTGTGTGTGAAGCAAGATCGCTA	432	
Db	121	CAGTTATCATCTGTATGCGGAACTCTCAAAAGATCCCTGTGTGTGAAGCAAGATCGCTA	180	
Qy	433	GAACACACCTTACTCTGTAAACAGAGAGACACTGAAAGGAAGGTTACTGTGGGAACCGTTGC	492	
Db	181	GAACACACCTTACTCTGTAAACAGAGAGACACTGAAAGGAAGGTTACTGTGGGAACCGTTGC	240	
Qy	493	GCCAGCCCTGTTACTGTGTCCAGGTTCAAAGAGGGATGCTCACTTCTCGCGTGTCTGCAGC	552	
Db	241	GCCAGCCCTGTTACTGTGTCCAGGTTCAAAGAGGGATGCTCACTTCTCGCGTGTCTGCAGC	300	
Qy	553	GATTACGCATCGGGATATCACTATGAGTCTGCTGTGTGAAGGATGTAAGGCCTTTTTT	612	
Db	301	GATTACGCATCGGGATATCACTATGAGTCTGCTGTGTGAAGGATGTAAGGCCTTTTTT	360	
Qy	613	AAAAAGAGCATTC	CAAGACATAATGATTATTTGTCCAGTCACAATCAGTGTACAATC	672
Db	361	AAAAAGAGCATTC	CAAGACATAATGATTATTTGTCCAGTCACAATCAGTGTACAATC	420
Qy	673	GATAAAAA	CCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTTCGAAGTGGGA	732
Db	421	GATAAAAA	CCGGCGCAAGAGCTGCCAGGCTGCCGACTTCGGAAGTGTTCGAAGTGGGA	480
Qy	733	ATCGTCAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCTTCGTGGGACACAGAGA	792	
Db	481	ATCGTCAAGTGTGGCTCCCGGAGAGAGAGATGTGGGTACCGCTTCGTGGGAGACAGAGA	540	
Qy	793	AGTGCCGACGAGCAGCTGCTGTGCGCGCAAGGCCAAGAGAGTGGCGGCCACGCGCCC	852	
Db	541	AGTGCCGACGAGCAGCTGCTGTGCGCGCAAGGCCAAGAGAGTGGCGGCCACGCGCCC	600	
Qy	853	CGAGTCCGGGAGTGTGTGTGACAGGCTTGAGCCCGGAGAGTGTGTGTCAACCTTCCTG	912	
Db	601	CGAGTCCGGGAGTGTGTGTGACAGGCTTGAGCCCGGAGAGTGTGTGTCAACCTTCCTG	660	
Qy	913	GAGGCTGAGCCGCCCATGTGTGATCAGCGCCCGGAGTGGCCCTTCCACCGAGGCGCTCC	972	
Db	661	GAGGCTGAGCCGCCCATGTGTGATCAGCGCCCGGAGTGGCCCTTCCACCGAGGCGCTCC	720	
Qy	973	ATGATGATCTCCCTGACCAAGTTGGCCGCAAGAGGAGTTGGTACATATGATCAGCTGGGCC	1032	
Db	721	ATGATGATCTCCCTGACCAAGTTGGCCGCAAGAGGAGTTGGTACATATGATCAGCTGGGCC	780	

QY 1033 AAGAAGATTCCCGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTGGCGCTCTTTGGAGGC 1092
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Db 781 AAGAAGATTCCCGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTGGCGCTCTTTGGAGGC 840
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QY 1093 TGTGGATGGAGGTGTTAATGATGGGCTGATGTGGGCTCAATTGACCAACCCCGGCAAG 1152
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Db 841 TGTGGATGGAGGTGTTAATGATGGGCTGATGTGGGCTCAATTGACCAACCCCGGCAAG 900
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QY 1153 CTATCTTTTGTCCAGATCTTTGTTCTGGACAGAGGATGAGGGAAATCGGTAGAGGAATT 1212
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Db 901 CTATCTTTTGTCCAGATCTTTGTTCTGGACAGGATGAGGGAAATCGGTAGAGGAATT 960
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QY 1213 CTGAAATCTTTGATGCTCTCTGGCAACTACTTTCAAGGTTTCGAGAGTTTAAATCTCAA 1272
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Db 961 CTGAAATCTTTGATGCTCTCTGGCAACTACTTTCAAGGTTTCGAGAGTTTAAATCTCAA 1020
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QY 1273 CACAAAGAAATATCTCTGTGTCAGGCCATGATCTCTCAATTCAGATATGTACCCCTCG 1332
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Db 1021 CACAAAGAAATATCTCTGTGTCAGGCCATGATCTCTCAATTCAGATATGTACCCCTCG 1080
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QY 1333 GTACAGCAGCCAGGATGCTGACAGCAGCCGGAAGCTGCTCACTTTGCTGAACGCCGTG 1392
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Db 1081 GTACAGCAGCCAGGATGCTGACAGCAGCCGGAAGCTGCTCACTTTGCTGAACGCCGTG 1140
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QY 1393 ACCGATCTTTGGTTTGGGTGATTTGCCAAGAGCGGCAATCTCTCCAGCAGCAATCCATG 1452
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Db 1141 ACCGATCTTTGGTTTGGGTGATTTGCCAAGAGCGGCAATCTCTCCAGCAGCAATCCATG 1200
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QY 1453 CGCTGCTTAACCTCTCTGATGCTCTCTCCAGCGGAGCTGCTCACTTTGCTGAACGCCGTG 1512
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Db 1201 CGCTGCTTAACCTCTCTGATGCTCTCTCCAGCGTCAAGGATGCGAGTAAACAAGGCGATG 1260
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QY 1513 GAACATCTGCTCAACATGAAGTCAAAAATGTGTCTCCAGTGTATGACCTGCTGTGGAG 1572
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Db 1261 GAACATCTGCTCAACATGAAGTCAAAAATGTGTCTCCAGTGTATGACCTGCTGTGGAG 1320
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QY 1573 ATGCTGAATGCCACGTGCTTCCGGGTGCAAGTCTCTCCATCAACGGGTCCTCGAGTGCAGC 1632
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Db 1321 ATGCTGAATGCCACGTGCTTCCGGGTGCAAGTCTCTCCATCAACGGGTCCTCGAGTGCAGC 1380
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QY 1633 CCGCAGACAGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTAGTGA 1686
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Db 1381 CCGCAGACAGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTAGTGA 1434
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RESULT 10
US-09-711-288-1
; Sequence 1, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711.288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 1434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-1

Query Match 85.1%; Score 1434; DB 4; Length 1434;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1434; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 253 ATGAATTTACAGATTTCCAGCAATGTCACTAACTTTGGAAGTGGGCTGTGTCGCGAGACC 312
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Db 1 ATGAATTTACAGATTTCCAGCAATGTCACTAACTTTGGAAGTGGGCTGTGTCGCGAGACC 60
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QY 313 ACAGGCCAAATGTGTTGTGGCCAAACACTGGGCACTTTCTCTTTTAGTGTTCATCGC 372
| | | | |
Db 61 ACAGGCCAAATGTGTTGTGGCCAAACACTGGGCACTTTCTCTTTTAGTGTTCATCGC 120
| | | | |
QY 373 CAGTTATACATCTGTATGCGGAACCTCAAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 432
| | | | |
Db 121 CAGTTATACATCTGTATGCGGAACCTCAAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 180
| | | | |
QY 433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGGAAGTTAGTGGGAACCGTTGC 492
| | | | |
Db 181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGGAAGTTAGTGGGAACCGTTGC 240
| | | | |
QY 493 GCAGGCCCTGTTACTGGTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 552
| | | | |
Db 241 GCAGGCCCTGTTACTGGTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 300
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QY 553 GATTACGCATCCGGATATCACTATGAGTCTGCTGTGAAGGATGTAAAGGCTTTTTT 612
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Db 301 GATTACGCATCCGGATATCACTATGAGTCTGCTGTGAAGGATGTAAAGGCTTTTTT 360
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QY 613 AAAAGAAGCATTTCAAGGACATTAATGATTATATTTGTCCAGCTACAAATCAGTGTACAATC 672
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Db 421 GATAAAACCCGCGCAAGAGCTGCCAGGCTCCGACCTTCGGAAGTGTTCAGAAATGGGA 480
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QY 733 ATGTTGAAGTGTGGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
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Db 481 ATGTTGAAGTGTGGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540
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QY 793 AGTGGCGAGCAGCAGCTGCACCTGTCCGCGCAAGAGCAAGAGTGGCGGCCACGCGCCC 852
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Db 541 AGTGGCGAGCAGCAGCTGCACCTGTCCGCGCAAGAGCAAGAGTGGCGGCCACGCGCCC 600
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QY 913 GAGGCTGAGCGCCCATGTGCTGATCAGCGCCCGCAGTGCGCCCTTACCGAGGCGCTCC 972
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Db 661 GAGGCTGAGCGCCCATGTGCTGATCAGCGCCCGCAGTGCGCCCTTACCGAGGCGCTCC 720
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QY 973 ATGATGATGTCTCCCTGACCAAGTTGGCCGACAAAGGATTTGGTACATGATCAGTGGGCC 1032
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Db 721 ATGATGATGTCTCCCTGACCAAGTTGGCCGACAAAGGATTTGGTACATGATCAGTGGGCC 780
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QY 1033 AAGAAGATTTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTGGGCTCTTTGGAGAC 1092
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Db 781 AAGAAGATTTCCCGGCTTTGTGGAGCTCAGCCTGTTTCGACCAAGTGGGCTCTTTGGAGAC 840
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QY 1093 TGTTCGATGGAGGTGTTAATGATGGGCTGATGTGGCGCTCAATTCAGCCACCCCGCAAG 1152
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Db 841 TGTTCGATGGAGGTGTTAATGATGGGCTGATGTGGCGCTCAATTCAGCCACCCCGCAAG 900
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QY 1153 CTCATCTTTGCTCCAGATCTTCTTCTGGACAGGATGAGGGGAAATTCGCTAGAGGAATT 1212
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Db 901 CTCATCTTTGCTCCAGATCTTGTCTGGACAGGATGAGGGGAAATTCGCTAGAGGAATT 960
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QY 1213 CTGGAAATCTTTGACATGCTCTGCGCAACTACTTCAAGGTTTCGAGAGTTTAAATCTCCAA 1272
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Db 961 CTGGAAATCTTTGACATGCTCTGCGCAACTACTTCAAGGTTTCGAGAGTTTAAATCTCCAA 1020
| | | | |
QY 1273 CACAAAGAAATATCTCTGTGTCAGGCCATGATCTCTCAATTCAGTATGTACCCCTCG 1332
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Db 1021 CACAAAGAAATATCTCTGTGTCAGGCCATGATCTCTCAATTCAGTATGTACCCCTCG 1080
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QY 1333 GTCACAGGACCCAGGATGCTCAGACAGCCGGAGCTGGCTCACTTGTCTGAAAGCCGCTG 1392
DB 1081 GTCACAGGACCCAGGATGCTCAGACAGCCGGAGCTGGCTCACTTGTCTGAAAGCCGCTG 1140
QY 1393 ACCGATGCTTTGGTTGGTGATTCGCAAGAGCGGATCTCTCCAGCAGCAATCCATG 1452
DB 1141 ACCGATGCTTTGGTTGGTGATTCGCAAGAGCGGATCTCTCCAGCAGCAATCCATG 1200
QY 1453 CGCTGGCTAACCTCTCATGCTCTCTGTCACAGCTCAGGATGCGAGTAAACAAGGCGATG 1512
DB 1201 CGCTGGCTAACCTCTCATGCTCTCTGTCACAGCTCAGGATGCGAGTAAACAAGGCGATG 1260
QY 1513 GAACATCTGCTCAACATGAAGTCAAAAATGTGGTCCAGTGATGACCTGCTCTCTGGAG 1572
DB 1261 GAACATCTGCTCAACATGAAGTCAAAAATGTGGTCCAGTGATGACCTGCTCTCTGGAG 1320
QY 1573 ATGCTGAATGCCAGCTGCTTCGGGGTGCAAGTCTCTCCATCAGGGGTCCGAGTGCAAG 1632
DB 1321 ATGCTGAATGCCAGCTGCTTCGGGGTGCAAGTCTCTCCATCAGGGGTCCGAGTGCAAG 1380
QY 1633 CCGCAGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1686
DB 1381 CCGCAGAGGACAGTAAAGCAAGAGGGCTCCAGAACCCACAGTCTCAGTGA 1434

RESULT 11
US-09-608-088-2
; Sequence 2, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; TITLE OF INVENTION: No. 6680368el Estrogen Receptor
; FILE REFERENCE: O/96193 US/DI
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-608-088-2

Query Match 74.0%; Score 1247; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 253 ATGAATTACAGCATTCACAGCAATGTCACTAACTTGAAGGTGGGCTGGTGGGAGACC 312
DB 1 ATGAATTACAGCATTCACAGCAATGTCACTAACTTGAAGGTGGGCTGGTGGGAGACC 60

QY 313 ACAAGCCCAATGTGTGTGGCCCAACACCTGGGACCTTTCTCTTTAGTGGTCCATCGC 372
DB 61 ACAAGCCCAATGTGTGTGGCCCAACACCTGGGACCTTTCTCTTTAGTGGTCCATCGC 120

QY 373 CAGTTATCATCTGTATGGGAACTTCAAAAGATCCCTGGTGTGAAGCAAGATCGCTA 432
DB 121 CAGTTATCATCTGTATGGGAACTTCAAAAGATCCCTGGTGTGAAGCAAGATCGCTA 180

QY 433 GAACACACCTTACCTGTAAACAGAGACAGACTGAAAGGAAGTGTAGTGGAAACCGTTCG 492
DB 181 GAACACACCTTACCTGTAAACAGAGACAGACTGAAAGGAAGTGTAGTGGAAACCGTTCG 240

QY 493 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGGATGCTCACTTCGCGCTGTCTGCAGC 552
DB 1201 CGCCTGGCTTAACCTCTCTGATGCTCTCTGCTCCACAGTCAGGATGCGAG 1247
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DB 241 GCCAGCCCTGTTACTGGTCCAGGTTCAAAGAGGATGCTCACTTCTGCGTGTCTGCAGC 300
QY 553 GATTACGCATCGGATATCACTATGGAGTCTGGTCTGTGAAGGATGTAAAGGCCCTTTTTT 612
DB 301 GATTACGCATCGGATATCACTATGGAGTCTGGTCTGTGAAGGATGTAAAGGCCCTTTTTT 360
QY 613 AAAAGAAGCAATCAAGGACATAATGATTATTTGTCAGCTACAAATCAGTGTACAATC 672
DB 361 AAAAGAAGCAATCAAGGACATAATGATTATTTGTCAGCTACAAATCAGTGTACAATC 420
QY 673 GATPAAAAACCGGCGCAGAGCTCCAGGCTGCGCAGCTTCGGAAGTGTAAAGTGGGA 732
DB 421 GATPAAAAACCGGCGCAGAGCTCCAGGCTGCGCAGCTTCGGAAGTGTAAAGTGGGA 480
QY 733 ATGGTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
DB 481 ATGGTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540
QY 793 AGTGCCGAGCAGAGCTGCACTGTGCGGCAAGGCCAAAGAGAGTGGCGGCCACGCGCCC 852
DB 541 AGTGCCGAGCAGAGCTGCACTGTGCGGCAAGGCCAAAGAGAGTGGCGGCCACGCGCCC 600
QY 853 CGAGTGGGAGCTGCTGTGAGCGCTGAGCGCCCTGAGCGCCCGAGCAGCTAGTGTCAACCTCTG 912
DB 601 CGAGTGGGAGCTGCTGTGAGCGCTGAGCGCCCTGAGCGCCCGAGCAGCTAGTGTCAACCTCTG 660
QY 913 GAGGCTGAGCGGCCCATGTGCTGATCAGCGCCCGCAGTGCGCCCTTACCGAGGCTCC 972
DB 661 GAGGCTGAGCGGCCCATGTGCTGATCAGCGCCCGCAGTGCGCCCTTACCGAGGCTCC 720
QY 973 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGGAGTGTGTACACATGATCAGTGGGCC 1032
DB 721 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGGAGTGTGTACACATGATCAGTGGGCC 780
QY 1033 AAGAAGATTCGCGGCTTTGTGAGCTCAGCTGTTCGACCAAGTGGCGCTTTGGAGAGC 1092
DB 781 AAGAAGATTCGCGGCTTTGTGAGCTCAGCTGTTCGACCAAGTGGCGCTTTGGAGAGC 840
QY 1093 TGTGGATGGAGTGTAAATGATGGGCTGATGTGGGCTCAATTCACCAACCCCGGCAAG 1152
DB 841 TGTGGATGGAGTGTAAATGATGGGCTGATGTGGGCTCAATTCACCAACCCCGGCAAG 900
QY 1153 CTCATCTTTGCTCCAGATCTTGTCTGGACAGGATGAGGGGAAATGCGGTAGAAGGAAT 1212
DB 901 CTCATCTTTGCTCCAGATCTTGTCTGGACAGGATGAGGGGAAATGCGGTAGAAGGAAT 960
QY 1213 CTGGAAATCTTTGACATGCTCTCGCAACTACTTCAAGGTTTGGAGAGTTAAACTCCAA 1272
DB 961 CTGGAAATCTTTGACATGCTCTCGCAACTACTTCAAGGTTTGGAGAGTTAAACTCCAA 1020
QY 1273 CACAAAGATATCTCTGTCTCAAGGCCATGATCCTGCTCAATTCAGTATGTACCTCTG 1332
DB 1021 CACAAAGATATCTCTGTCTCAAGGCCATGATCCTGCTCAATTCAGTATGTACCTCTG 1080
QY 1333 GTCAACAGCAGCCAGGATGCTCAGACAGCCCGGAAAGTGGCTCACTTGTGTGAACGCGTG 1392
DB 1081 GTCAACAGCAGCCAGGATGCTCAGACAGCCCGGAAAGTGGCTCACTTGTGTGAACGCGTG 1140
QY 1393 ACCGATGCTTTGGTTGGTGATTCGCAAGAGCGGATCTCTCCAGCAGCAATCCATG 1452
DB 1141 ACCGATGCTTTGGTTGGTGATTCGCAAGAGCGGATCTCTCCAGCAGCAATCCATG 1200
QY 1453 CGCCTGGCTTAACCTCTCTGATGCTCTCTGCTCCACAGTCAGGATGCGAG 1499
DB 1201 CGCCTGGCTTAACCTCTCTGATGCTCTCTGCTCCACAGTCAGGATGCGAG 1247
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RESULT 12
US-09-711-288-2
; Sequence 2, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
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; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270e1 Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-711-288-2

Query Match      74.0%; Score 1247; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 253 ATGAATTACAGCAATCCAGCAATGTCACTTAATCGAAGAGTGGGCTGGTGGGAGACC 312
DB 1 ATGAATTACAGCAATCCAGCAATGTCACTTAATCGAAGAGTGGGCTGGTGGGAGACC 60

QY 313 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCTTTAGTGTCCATGCG 372
DB 61 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCTTTAGTGTCCATGCG 120

QY 373 CAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
DB 121 CAGTTATCATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180

QY 433 GAACACACCTTACTGTAAACAGAGAGACACTGAAAGAGAGTGTAGTGGGAACGTTGC 492
DB 181 GAACACACCTTACTGTAAACAGAGAGACACTGAAAGAGAGTGTAGTGGGAACGTTGC 240

QY 493 GCCAGCCCTGTACTGCTCCAGGTTCAAGAGAGGATGCTCACTTCGCGCTGTGTCAGC 552
DB 241 GCCAGCCCTGTACTGCTCCAGGTTCAAGAGAGGATGCTCACTTCGCGCTGTGTCAGC 300

QY 553 GATTACGCATCGGGATATCACTATGGAGTCTGCTGTGAAGGATGTAAGGCTTTT 612
DB 301 GATTACGCATCGGGATATCACTATGGAGTCTGCTGTGAAGGATGTAAGGCTTTT 360

QY 613 AAAAGAAGCATTCAGGACATATATATATTTGTCAGCTACAAATCAGTGTCAATC 672
DB 361 AAAAGAAGCATTCAGGACATATATATATTTGTCAGCTACAAATCAGTGTCAATC 420

QY 673 GATAAAACCGGCGCAGAGCTCCAGGCTGCGGACTTCGGAAGTGTACGAAGTGGGA 732
DB 421 GATAAAACCGGCGCAGAGCTCCAGGCTGCGGACTTCGGAAGTGTACGAAGTGGGA 480

QY 733 ATGGTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
DB 481 ATGGTGAAGTGTGGCTCCCGGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540

QY 793 AGTGCCGAGCAGAGCTGTGCTGCGGCAAGGCCAAGAGAGTGGGCGGCAACGCGGCC 852
DB 541 AGTGCCGAGCAGAGCTGTGCTGCGGCAAGGCCAAGAGAGTGGGCGGCAACGCGGCC 600

QY 853 CGAGTGGGAGAGTGTGCTGGAGCGCCCTGAGCGCCGAGCAGTGTGCTCACTCCCTCG 912
DB 601 CGAGTGGGAGAGTGTGCTGGAGCGCCCTGAGCGCCGAGCAGTGTGCTCACTCCCTCG 660

QY 913 GAGGCTGAGCGGCCCATGTGCTGATCAGCGGCCCTTCACCGAGGCTCC 972
DB 661 GAGGCTGAGCGGCCCATGTGCTGATCAGCGGCCCTTCACCGAGGCTCC 720

QY 973 ATGATGATGTCTCTGACCAAGTTGGCCGCAAGAGAGTGTGATACATGATCAGTGGGCC 1032
DB 973 ATGATGATGTCTCTGACCAAGTTGGCCGCAAGAGAGTGTGATACATGATCAGTGGGCC

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DB 721 ATGATGATGTCCCTGACCAAGTTGGCCGCAAGAGAGTGTGTACACATGATCAGTGGGCC 780
QY 1033 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTCCGGCTCTTTGGAGAGC 1092
DB 781 AAGAAGATTCCCGGCTTTGTGGAGCTCAGCCTGTTCGACCAAGTCCGGCTCTTTGGAGAGC 840
QY 1093 TGTGGATGGAGGTGTTAATGATGGGCTGATGGGCTCAATTTGACCACCCCGGCAAG 1152
DB 841 TGTGGATGGAGGTGTTAATGATGGGCTGATGGGCTCAATTTGACCACCCCGGCAAG 900
QY 1153 CTCATCTTTGCTCCAGATCTTGTCTGACAGGATGAGGGGAAATCGTAGAAGGAAT 1212
DB 901 CTCATCTTTGCTCCAGATCTTGTCTGACAGGATGAGGGGAAATCGTAGAAGGAAT 960
QY 1213 CTGGAATCTTTGACATGCTCTCTGSCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1272
DB 961 CTGGAATCTTTGACATGCTCTCTGSCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1020
QY 1273 CACAAAGAAATATCTGTGTCAAGCCATGATCTGTCTCAATTCAGTATGTACCTCTG 1332
DB 1021 CACAAAGAAATATCTGTGTCAAGCCATGATCTGTCTCAATTCAGTATGTACCTCTG 1080
QY 1333 GTCACAGCGACCCAGGATGTCGACAGCAGCCGGAAGCTGGCTCACTTCTGTAACCCGCTG 1392
DB 1081 GTCACAGCGACCCAGGATGTCGACAGCAGCCGGAAGCTGGCTCACTTCTGTAACCCGCTG 1140
QY 1393 ACCGATGCTTTGGTGTGTTGCGCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1452
DB 1141 ACCGATGCTTTGGTGTGTTGCGCAACTACTTCAAGGTTTCGAGAGTTAAATCTCAA 1200
QY 1453 CGCCTGGGTAACCTCTCTGATGCTCTGTCCCAAGTGGGATGCGAG 1499
DB 1201 CGCCTGGGTAACCTCTCTGATGCTCTGTCCCAAGTGGGATGCGAG 1247

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RESULT 13

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US-09-608-088-20
; Sequence 20, Application US/09608088
; Patent No. 6680368
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6680368e1 Estrogen Receptor
; FILE REFERENCE: O/96193 US/D1
; CURRENT APPLICATION NUMBER: US/09/608,088
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 1257
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-608-088-20

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Query Match      74.0%; Score 1247; DB 4; Length 1257;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 253 ATGAATTACAGCAATCCAGCAATGTCACTTAATCGAAGAGTGGGCTGGTGGGAGACC 312
DB 1 ATGAATTACAGCAATCCAGCAATGTCACTTAATCGAAGAGTGGGCTGGTGGGAGACC 60

QY 313 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCTTTAGTGTCCATGCG 372
DB 61 ACAAGCCCAAAATGTGTGGCCCAACACCTGGGCACTTCTCTTTAGTGTCCATGCG 120

QY 373 CAGTTATCATCTGTGATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432

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Db 121 CAGTTATCACATCTGTATGCGGAACCTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 180
QY GAAACACACTTACCTGTAAACAGAGAGACACTGAAAAGAGGTTAGTGGAAACCGTTGC 492
Db 181 GAAACACACTTACCTGTAAACAGAGAGACACTGAAAAGAGGTTAGTGGAAACCGTTGC 240
QY GCCAGCCCTGTACTGTGTCAGGTTCAAAGAGGATGCTCACTTCTGCGTGTCTGCAGC 552
Db 241 GCCAGCCCTGTACTGTGTCAGGTTCAAAGAGGATGCTCACTTCTGCGTGTCTGCAGC 300
QY GATTACCGATCGGATATCATATGAGTCTGGTCTGGTGAAGATGTAGGCGCTTTT 612
Db 301 GATTACCGATCGGATATCATATGAGTCTGGTCTGGTGAAGATGTAGGCGCTTTT 360
QY AAAAGAAGCATTTCAAGGACATAATGATTATATTTGTCAGCTACAAATCAGTGTAACAATC 672
Db 361 AAAAGAAGCATTTCAAGGACATAATGATTATATTTGTCAGCTACAAATCAGTGTAACAATC 420
QY GATAAAAACCGGCGCAAGAGCTGCCAGCCCTGCCGACTTCGGAAGTGTACGAAGTGGGA 732
Db 421 GATAAAAACCGGCGCAAGAGCTGCCAGCCCTGCCGACTTCGGAAGTGTACGAAGTGGGA 480
QY ATGTGAAGTGTGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
Db 481 ATGTGAAGTGTGCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540
QY AGTGCCGAGCAGAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCACGCGCC 852
Db 541 AGTGCCGAGCAGAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCACGCGCC 600
QY CGAGTGGGAGCTGTGCTGGAGCGCTGAGCGCCCGAGCAGTGTAGTGTCACTCCCTCTG 912
Db 601 CGAGTGGGAGCTGTGCTGGAGCGCTGAGCGCCCGAGCAGTGTAGTGTCACTCCCTCTG 660
QY GAGCTGAGCGGCCCATGTCTGATCAGCGCCCGCAGTGGCGCCCTTCAACCGAGGCGTCC 972
Db 661 GAGCTGAGCGGCCCATGTCTGATCAGCGCCCGCAGTGGCGCCCTTCAACCGAGGCGTCC 720
QY ATGATGATGTCCCTGACCAAGTTGGCGCAAGAGGTTGTGTACATGATCAGTGTGGGC 1032
Db 721 ATGATGATGTCCCTGACCAAGTTGGCGCAAGAGGTTGTGTACATGATCAGTGTGGGC 780
QY AAGAAGATTCCCGCTTTGTGGAGCTCAGCGCTGTTCGACCAAGTGGCGCTTCTTGGAGAGC 1092
Db 781 AAGAAGATTCCCGCTTTGTGGAGCTCAGCGCTGTTCGACCAAGTGGCGCTTCTTGGAGAGC 840
QY TGTGTGATGAGGTGTTAATGATGGGCTGATGTGGGCTCAATTGACCAACCCCGCAAG 1152
Db 841 TGTGTGATGAGGTGTTAATGATGGGCTGATGTGGGCTCAATTGACCAACCCCGCAAG 900
QY CTCATCTTTGCTCCAGATCTTGTCTGGACAGGATGAGGGAAATGCGTAGAAGAAAT 1212
Db 901 CTCATCTTTGCTCCAGATCTTGTCTGGACAGGATGAGGGAAATGCGTAGAAGAAAT 960
QY CTGGAATCTTTGACATGCTCTTGGCAACTTCTCAAGGTTTCGAGAGTTTAAACCTCCAA 1272
Db 961 CTGGAATCTTTGACATGCTCTTGGCAACTTCTCAAGGTTTCGAGAGTTTAAACCTCCAA 1020
QY CACAAAGAATATCTCTGTCAAGGCGATGATCCTGTCAATTCAGATGTACCCCTCTG 1332
Db 1021 CACAAAGAATATCTCTGTCAAGGCGATGATCCTGTCAATTCAGATGTACCCCTCTG 1080
QY GTACAGCGACCCAGGATGTGACAGAGCGCGGAAGCTGCTCACTTGTGAACCGCGTG 1392
Db 1081 GTACAGCGACCCAGGATGTGACAGAGCGCGGAAGCTGCTCACTTGTGAACCGCGTG 1140
QY ACCGATGCTTTGTTGGTGTATTTGCAAGAGCGGATCTCTCCAGCAGCAGCAATCCATG 1452
Db 1141 ACCGATGCTTTGTTGGTGTATTTGCAAGAGCGGATCTCTCCAGCAGCAGCAATCCATG 1200
QY CGCTGGCTTAACCTCTGATGCTCTGTCACCGTCAAGGATCGAG 1499

Db 1201 CGCTGGCTAACCTCCTGATGCTCTCTGTGCCAGCTCAGGCATCGAG 1247
RESULT 14
US-09-711-288-20
; Sequence 20, Application US/09711288
; Patent No. 6713270
; GENERAL INFORMATION:
; APPLICANT: Mosselman, Sietse
; APPLICANT: Dijkema, Rein
; TITLE OF INVENTION: No. 6713270el Estrogen Receptor
; FILE REFERENCE: O/96193 US/D2
; CURRENT APPLICATION NUMBER: US/09/711,288
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: US 08/826,361
; PRIOR FILING DATE: 1997-03-26
; PRIOR APPLICATION NUMBER: EP 96203284.3
; PRIOR FILING DATE: 1996-11-22
; PRIOR APPLICATION NUMBER: EP 96200820.7
; PRIOR FILING DATE: 1996-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 1257
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-711-288-20
Query Match 74.0%; Score 1247; DB 4; Length 1257;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 253 ATGAATTACAGATTTCCAGCAATGTCACTTTCGAAAGTGGGCTGTGCGCAGACC 312
Db 1 ATGAATTACAGATTTCCAGCAATGTCACTTTCGAAAGTGGGCTGTGCGCAGACC 60
QY 313 ACAAGCCCAAAATGTGTGGGCCAACACCTGGGCACCTTTCTCTTTAGTGGTCCATCGC 372
Db 61 ACAAGCCCAAAATGTGTGGGCCAACACCTGGGCACCTTTCTCTTTAGTGGTCCATCGC 120
QY 373 CAGTTATCATCTGTATGCGGAAACCTCAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 432
Db 121 CAGTTATCATCTGTATGCGGAAACCTCAAAAGAGTCCCTGTGTGAAGCAAGATCGCTA 180
QY 433 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGAGGTTAGTGGAAACCGTTCG 492
Db 181 GAACACACCTTACCTGTAAACAGAGAGACACTGAAAGAGGTTAGTGGAAACCGTTCG 240
QY 493 GCCAGCCCTGTACTGGTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 552
Db 241 GCCAGCCCTGTACTGGTCCAGGTTCAAAGAGGATGCTCACTTCTGCGCTGTCTGCAGC 300
QY 553 GATTACGCATCGGGATATCACTATGAGTCTGGTCTGTGAAGGATGTAAAGGCTTTT 612
Db 301 GATTACGCATCGGGATATCACTATGAGTCTGGTCTGTGAAGGATGTAAAGGCTTTT 360
QY 613 AAAAGAAGCATTTCAAGGACATAATGATTATATTTGTCAGCTACAAATCAGTGTAACAATC 672
Db 361 AAAAGAAGCATTTCAAGGACATAATGATTATATTTGTCAGCTACAAATCAGTGTAACAATC 420
QY 673 GATAAAAAACCGGCGCAAGAGCTGCCAGGCTCCGCACTTCGGAAGTGTTCGAAAGTGGGA 732
Db 421 GATAAAAAACCGGCGCAAGAGCTGCCAGGCTCCGCACTTCGGAAGTGTTCGAAAGTGGGA 480
QY 733 ATGTGAAGTGTGGTCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 792
Db 481 ATGTGAAGTGTGGTCTCCCGAGAGAGAGATGTGGGTACCGCTTGTGCGGAGACAGAGA 540
QY 793 AGTGCCGAGCAGCAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCACGCGCC 852
Db 541 AGTGCCGAGCAGCAGCTGCACTGTGCGGCGCAAGGCGCAAGAGAGTGGGCGCCACGCGCC 600
QY 853 CGAGTGGGAGCTGTGCTGGAGCGCTGAGCGCCCGAGCAGTGTAGTGTCACTCCCTCTG 912

601 CGAGTGGGAGCTGTCTGTGGAGCGCCCTGAGCCCGAGCAGCTAGTGTCTCACCCTCTCG 660
913 GAGGCTGAGCGCCCATGCTGATCAGCGCCCGCAGTGCCTTCCAGGAGGCTCC 972
661 GAGGCTGAGCGCCCATGCTGATCAGCGCCCGCAGTGCCTTCCAGGAGGCTCC 720
973 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGAGGAGTTGGTACACATGATCAGTGGGC 1032
721 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGAGGAGTTGGTACACATGATCAGTGGGC 780
1033 AAGAAGATTCCTGGCTTTGAGAGCTCAGCTGTTTGCACCAAGTGGCTTTGGAGAGC 1092
781 AAGAAGATTCCTGGCTTTGAGAGCTCAGCTGTTTGCACCAAGTGGCTTTGGAGAGC 840
1093 TGTGATGAGGAGTGTATGATGGGCTGATGCGGCTCAATTGACCAACCCCGCAAG 1152
841 TGTGATGAGGAGTGTATGATGGGCTGATGCGGCTCAATTGACCAACCCCGCAAG 900
1153 CTCATCTTTGCTCCAGATCTTTGCTGGACAGGATGAGGGAAATGCGTAGAAGAAAT 1212
901 CTCATCTTTGCTCCAGATCTTTGCTGGACAGGATGAGGGAAATGCGTAGAAGAAAT 960
1213 CTGGAATCTTTGACATGCTCTGGCAACTACTTCAAGGTTTGGAGAGTTAAACTCCAA 1272
961 CTGGAATCTTTGACATGCTCTGGCAACTACTTCAAGGTTTGGAGAGTTAAACTCCAA 1020
1273 CACAAAGATATCTCTGCTCAAGGCTGATGCTCAATTCAGTATGATACCTCTG 1332
1021 CACAAAGATATCTCTGCTCAAGGCTGATGCTCAATTCAGTATGATACCTCTG 1080
1333 GTACAGGACCCAGGATGCTGACAGAGCGGGAAGCTGCTCAATTCAGTATGATACCTCTG 1392
1081 GTACAGGACCCAGGATGCTGACAGAGCGGGAAGCTGCTCAATTCAGTATGATACCTCTG 1140
1393 ACCGATGCTTTGTTGGTGGTATGTCGCAAGAGCGGATCTCTCCAGAGCAATCCATG 1452
1141 ACCGATGCTTTGTTGGTGGTATGTCGCAAGAGCGGATCTCTCCAGAGCAATCCATG 1200
1453 CGCTGGCTAACTCTGATGCTCTGCTCCAGCTCAGGATCGAG 1499
1201 CGCTGGCTAACTCTGATGCTCTGCTCCAGCTCAGGATCGAG 1247

RESULT 15
US-08-836-620A-1
; Sequence 1, Application US/08836620A
; Patent No. 5958710
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Orphan receptor
; NUMBER OF SEQUENCES: 19
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,620A
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP96/03933
; FILING DATE:
; APPLICATION NUMBER: GB 9518272.1
; FILING DATE: 08-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9605550.4
; FILING DATE: 15-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9607532.0
; FILING DATE: 11-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9609576.5

; FILING DATE: 08-MAY-1996
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2568 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; ORGANISM: Rattus rattus
; US-08-836-620A-1

Query Match 73.2%; Score 1233.6; DB 2; Length 2568;
Best Local Similarity 84.8%; Pred. No. 0;
Matches 1419; Conservative 0; Mismatches 249; Indels 6; Gaps 3;

QY 16 CCCAGGAATCTTTGAGAACATTATTAATGACCTTTGTGCTCTCTCTCTGCAAGGTGTTTTCT 75
DB 211 CCCATGAGTCTCTGAGAACATAAT--GTCCATCTGTACTCTCTCTCACAAGGAGTTTTCT 268

QY 76 CAGCTGTCTA---TCTCAAGACATGATATAAAAACTCACCATCTAGCTTTAAATCTCTCT 132
DB 269 CAGCTGCGACCTCTGAAGACATGAGATCAAAAACTCACCCTCGAGCTTAGTTTC-CCT 327

QY 133 TCCTCTTCAACTGCACTCAATCCATCTTACCCCTGGAGCAGGCTCCATATACATACCT 192
DB 328 GCTTCTTATACTGTAGCCAGTCCATCTCCTCTGAGCAGCGGCCCATCTACATCCCT 387

QY 193 TCCTCTTATGACAGCAGCCACCATGAATATCCAGCATGACATTTCTATAGCCCTGCTGTG 252
DB 388 TCCTCTTACGTAGACACCGCATGATTTTCAGCTATGACATTTCTACAGTCTCTGCTGTG 447

QY 253 ATGAATTAACAGATTTCCAGCAATGTCTAACTTTGGAAGTGGGCTGTCGGCAGACC 312
DB 448 ATGAATTAACAGTGTTCCTGGCAGCAGTAACTGGAGCGGTGGGCTGTCCGACTGAGC 507

QY 313 ACAAGCCCAATGTGTTGTGGCAACACTGGGACCTTTCTCTTTAGTGTGCTCATCGC 372
DB 508 ACAAGCCCAATGTGTTGTGGCAACACTTTCTGGGCACTGTCTCTTTAGCGACCCATTCG 567

QY 373 CAGTTATCACATCTGTATGCGGAACTCAAAAGAGTCCCTGGTGTGAAGCAAGATCGCTA 432
DB 568 CAATCATCGCTCTCTATGAGAGACTTCAAAAGAGTCTTGGTGTGAAGCAAGATCACAT 627

QY 433 GAACACACCTTTACCTGTAAACAGAGAGACACTGAAGAGAGAGTTAGTGGGAAACCGTTGC 492
DB 628 GAGCACACCTTTACCTGTAAACAGAGAGACACTGAAGAGAGAGTTAGTGGGAGAGTTGT 687

QY 493 GCGAGCCCTGTACTGTGTCAGGTTCAAGAGGAGTGTCTCACTTCTGCGCTGTCTGCGAGC 552
DB 688 GCGAGCCCTGTACTGTGTCAGGTTCAAGAGGAGTGTCTCACTTCTGCGGCTGTCTGCGAGC 747

QY 553 GATTACGCATCGGATATCACTATGAGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 612
DB 748 GATTATGATCTGGGTATCATTAAGCGCTTTGGTCAATGTAAGGATGTAAGGCTTTTTT 807

QY 613 AAAAGAAGCATTCAAGAGCATAATGATTATTTTGTCCAGCTTACAAATCAGTGTCAATTC 672
DB 808 AAAAGAAGCATTCAAGAGCATAATGATTATTTTGTCCAGCCACCAAGTCAAGTGTACCAT 867

QY 673 GATAAAAACCGGCGCAAGAGTGCAGGCTTCCGAGCTTCCGAACTGTTACGAAGTGGGA 732
DB 868 GACAAGAACCGGCGTAAAGGCTTCCGAGCTTCCGAGCTTCCGAACTGTTATGAAGTAGGA 927

QY 733 ATGTTGAAGTGTGGCTCCCGGAGAGAGATGTTGGGTATCCGCTTGTGCGGAGACAGAGA 792
DB 928 ATGTTGAAGTGTGGATCCAGGAGAGACGTTGTGGGTATCCGCTATAGTGGGAGGAGAGA 987

QY 793 AGTCCCGAGCAGCAGCTGCTGCTGTCGGGCAAGGCAAGAGAGAGTGGCGGCCACCGCCC 852
DB 988 AGTTCTAGCGAGCAGGTACACTGCTGAGCAAGGCAAGAGAGAAACGGTGGGATGCACCC 1047

QY 853 CGAGTGGGAGCTGCTGCTGGAAGCTTGGAGCCCGGAGCAGCTAGTGTCTACCTCTCTG 912

Db 1048 CGGCTGAAGGAGCTACTGCTGAGCACCTTGAGTCCAGAGCAACTGGTGTCTCACCTCTCTG 1107
Qy 913 GAGCTGAGCGCCGCCATGCTGATCAGCGCCGCCAGTGGCCCTTTCAACGAGGCTCTC 972
Db 1108 GAAGCTGAACACCAATGCTGCTGAGCGCTCCAGCATGCCCTTTCACCGAGGCTCTC 1167
Qy 973 ATGATGATGCTCCCTGACCAAGTTGGCGGCAAGAGTTGGTACACATGATCAGTGGGCC 1032
Db 1168 ATGATGATGCTCCCTCACTAAGCTGGCGGCAAGGAATGGTGCACATGATGGCTGGGCC 1227
Qy 1033 AAGAAGATCCCGCTTTTGGAGCTCAGCCTGTTCGACCAAGTGGCGCTCTTTGGAGAGC 1092
Db 1228 AAGAAATCCCTGGCTTTTGGAGCTCAGCCTGTTCGACCAAGTCCGGCTCTTAGAAGC 1287
Qy 1093 TGTGGATGAGGTGTAATGATGGGGCTGATGTGGCGCTCAATGACCAACCCCGCAAG 1152
Db 1288 TGTGGATGAGGTGCTAATGGTGGGACTGATGTGGCGCTCCATCGACCAACCCCGCAAG 1347
Qy 1153 CTCATCTTTGCTCCAGATCTTGTTCGGACAGGGATCAGGGAAATCGGTAGAGGAAT 1212
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Qy 1213 CTGGAATCTTTGACATGCTCTGGCAACTACTTCAAGGTTTCGAGAGTTAAACTCCAA 1272
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Db 1828 TCAACAGAGGACAGTAAAGCAAGAGAGCTCCAGAACCTACAGTCTCAGTGA 1881

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Job time : 360 secs